

Some Examples of Fractals

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ABSTRACT

This note presents some examples of Newton-Raphson fractals.

1. Introduction

- ❖ Typical example of Newton-Raphson fractal: $f : z \rightarrow z^4 - z^2 - 1$.

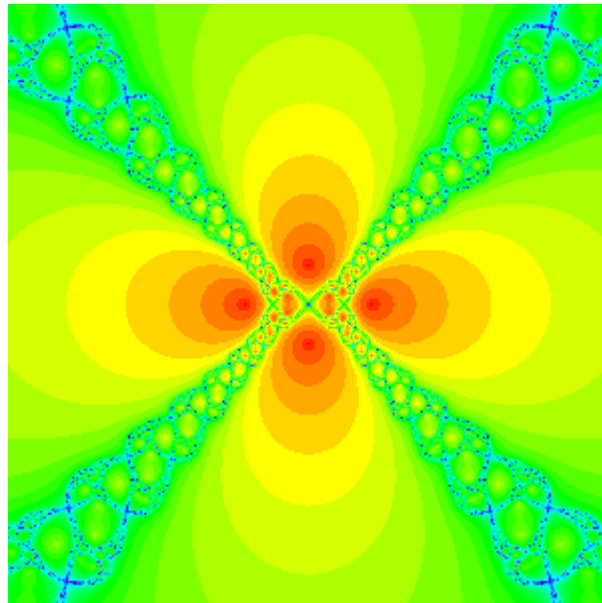


Figure 1.

This note presents a collection of Newton-Raphson fractals.

2. Fractals

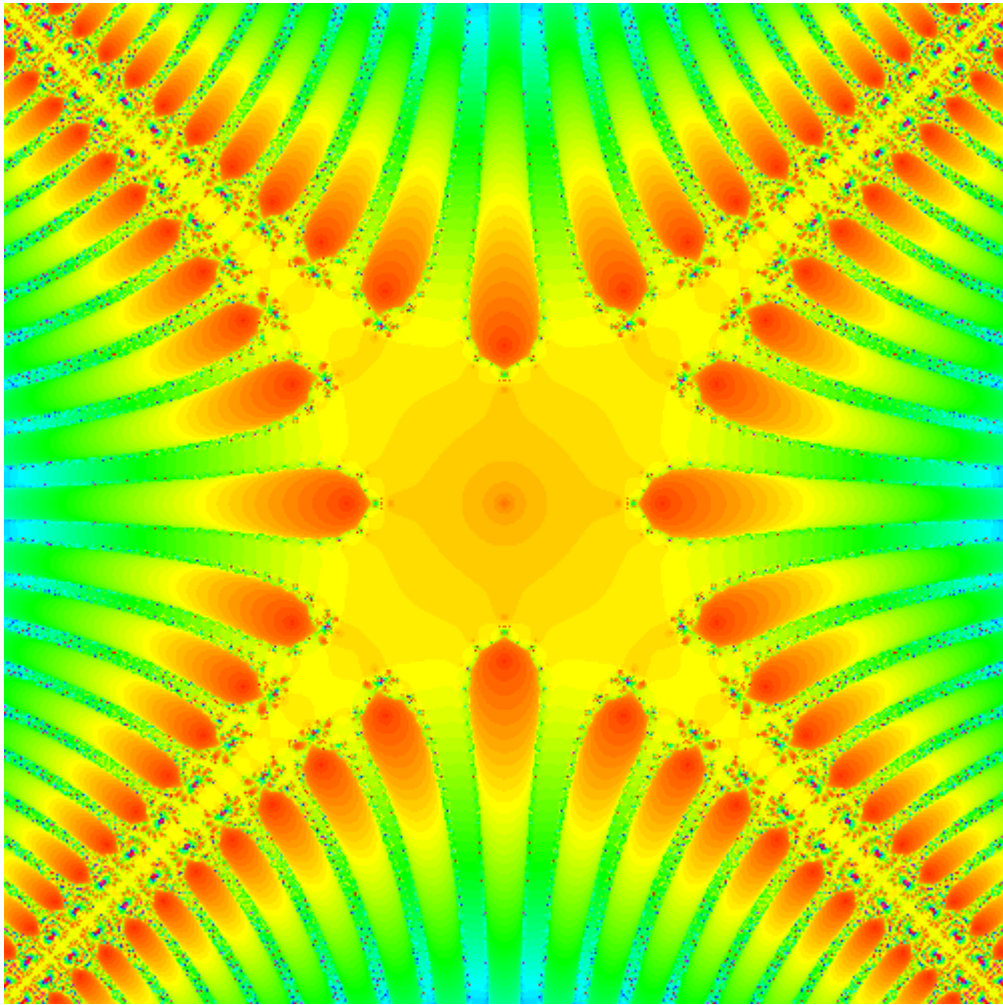


Figure 2.

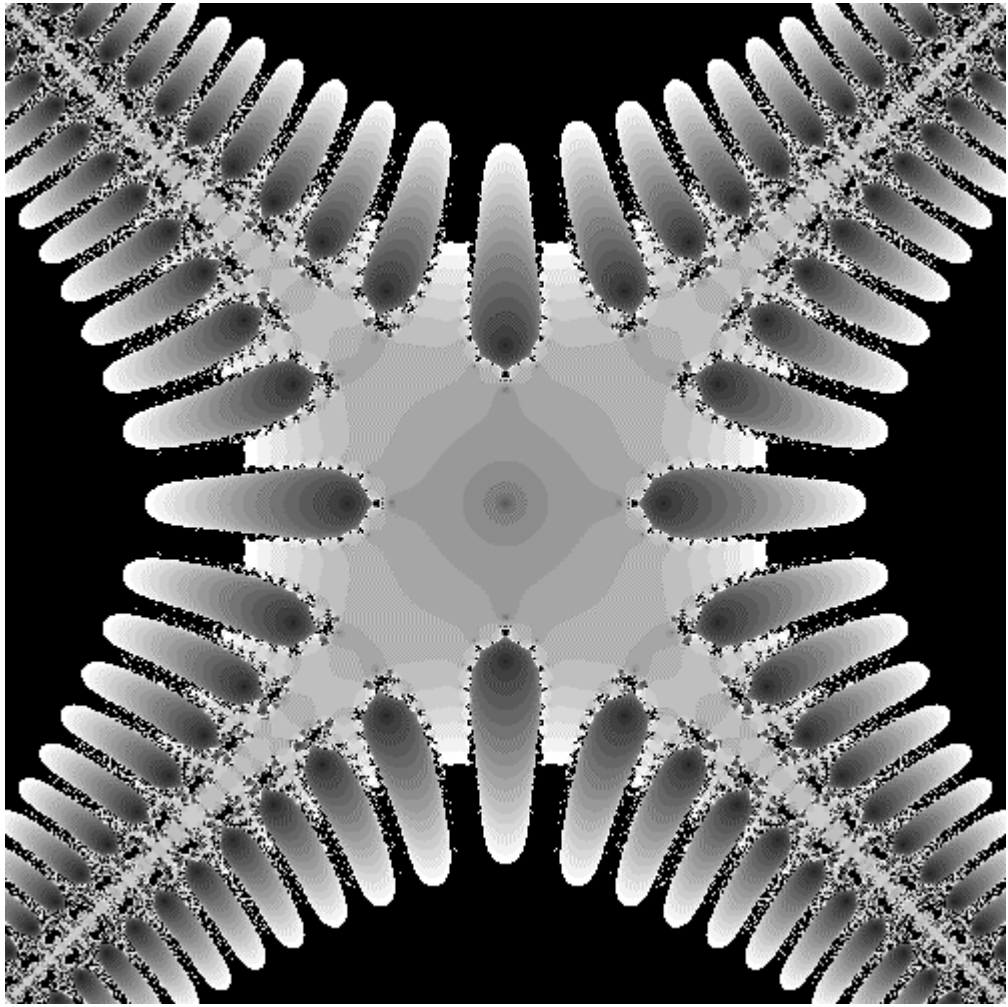


Figure 3.

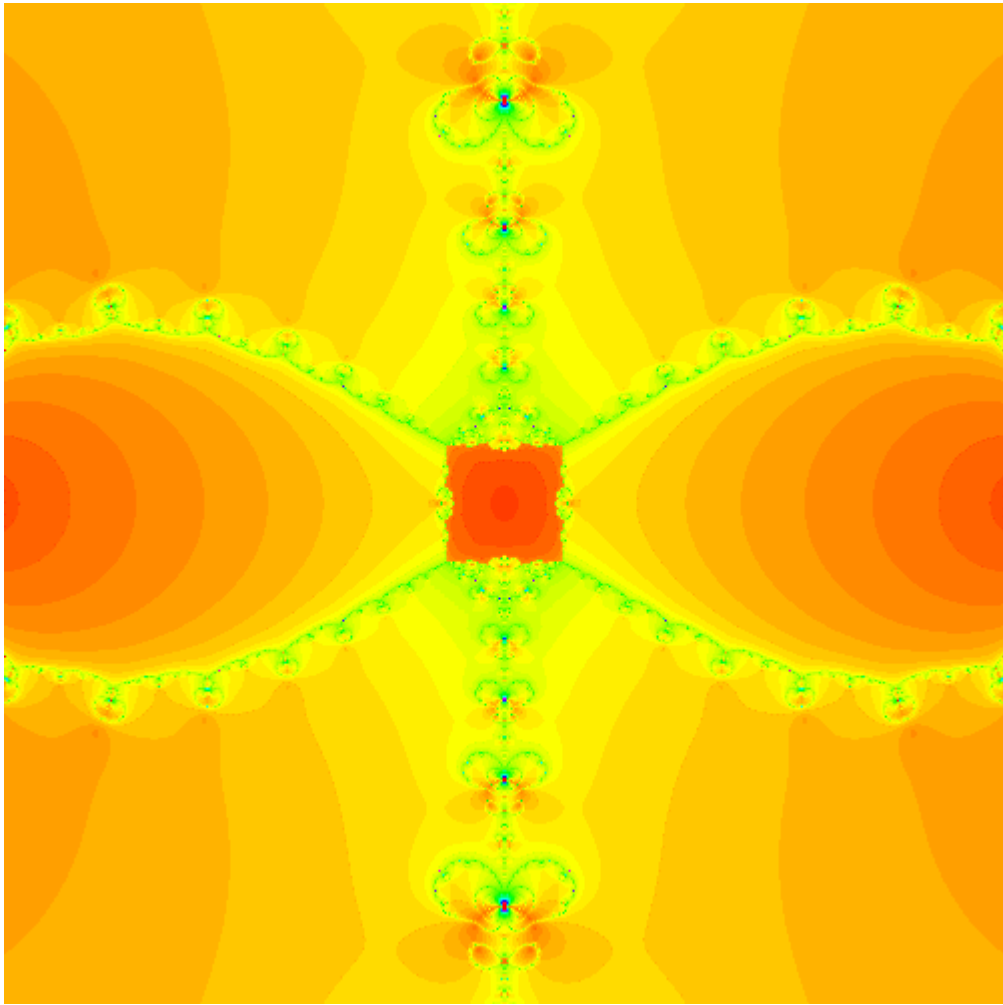


Figure 4.

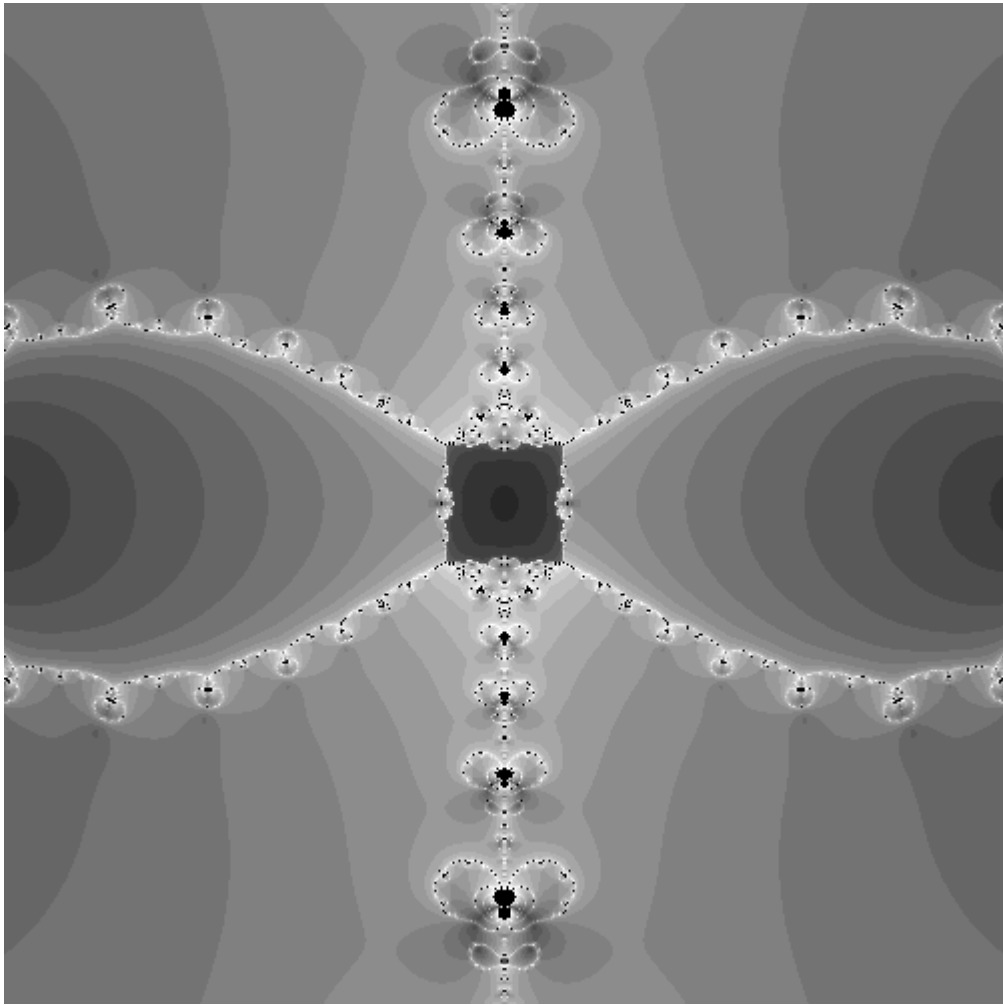


Figure 5.

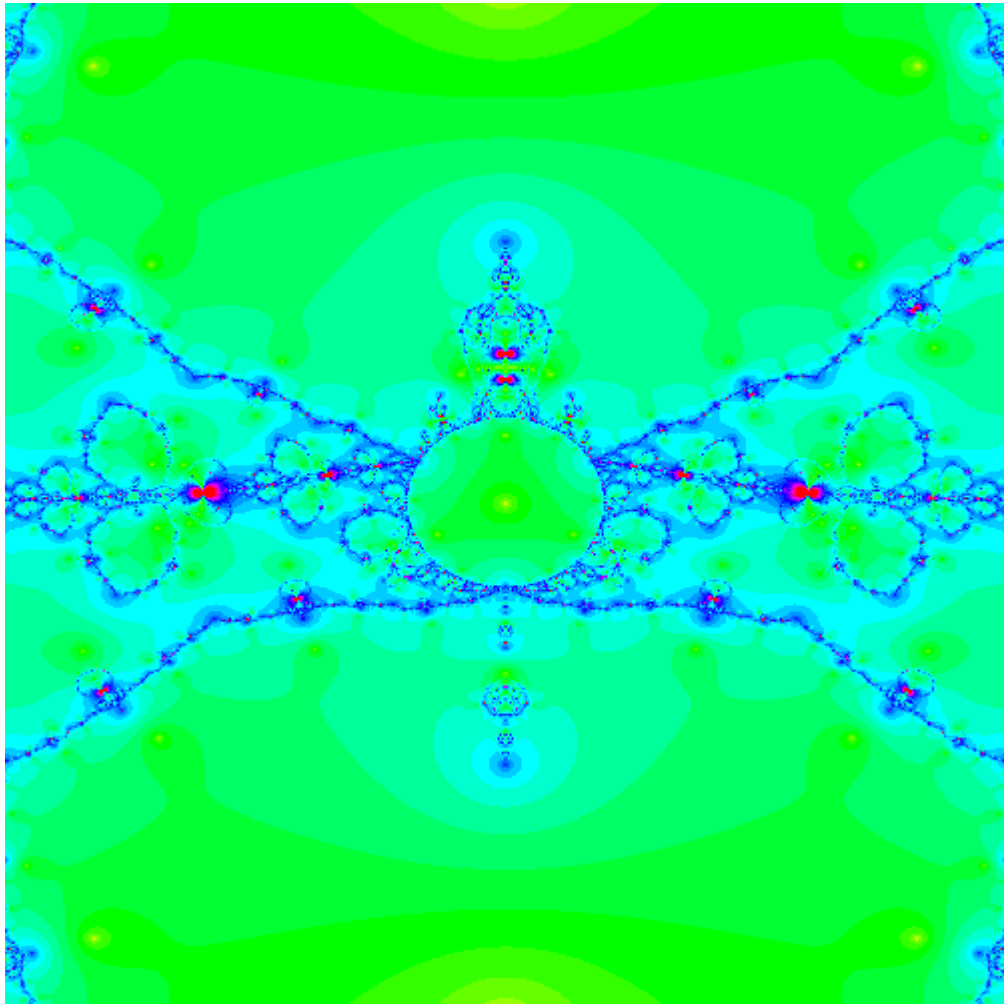


Figure 6.

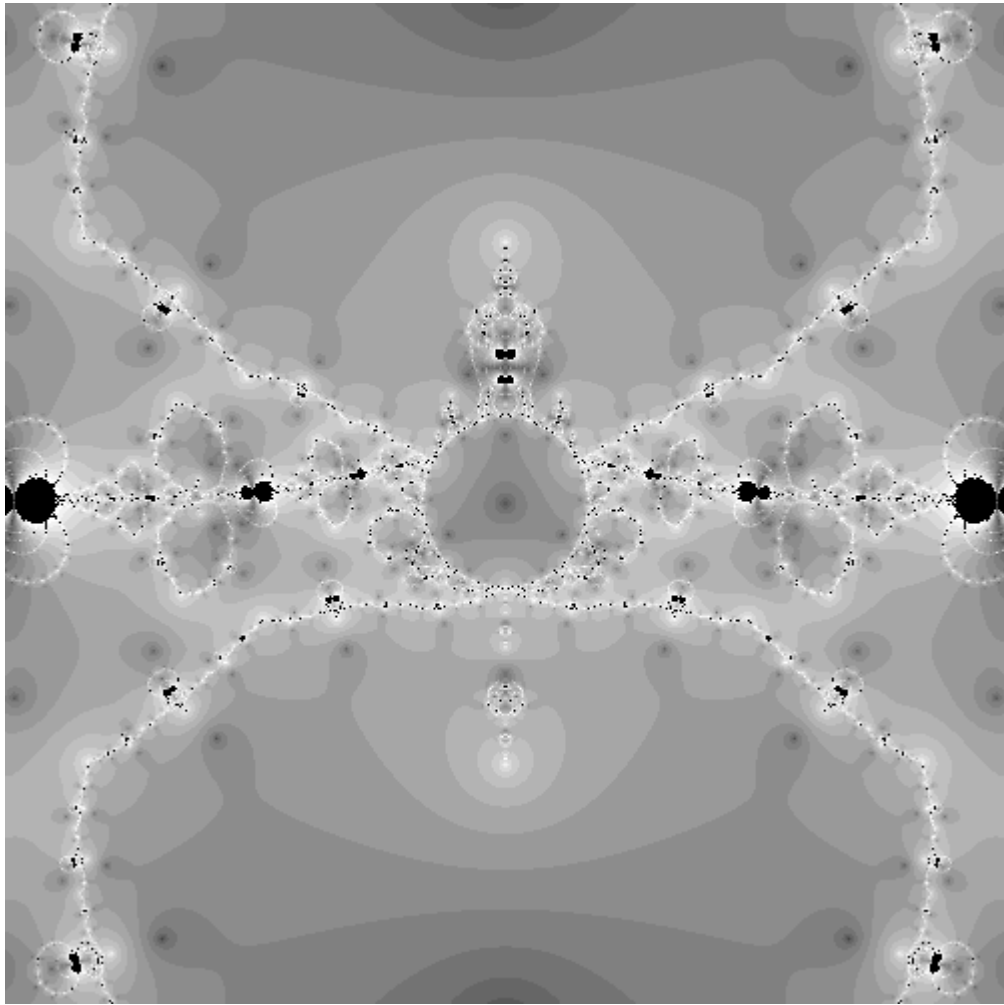


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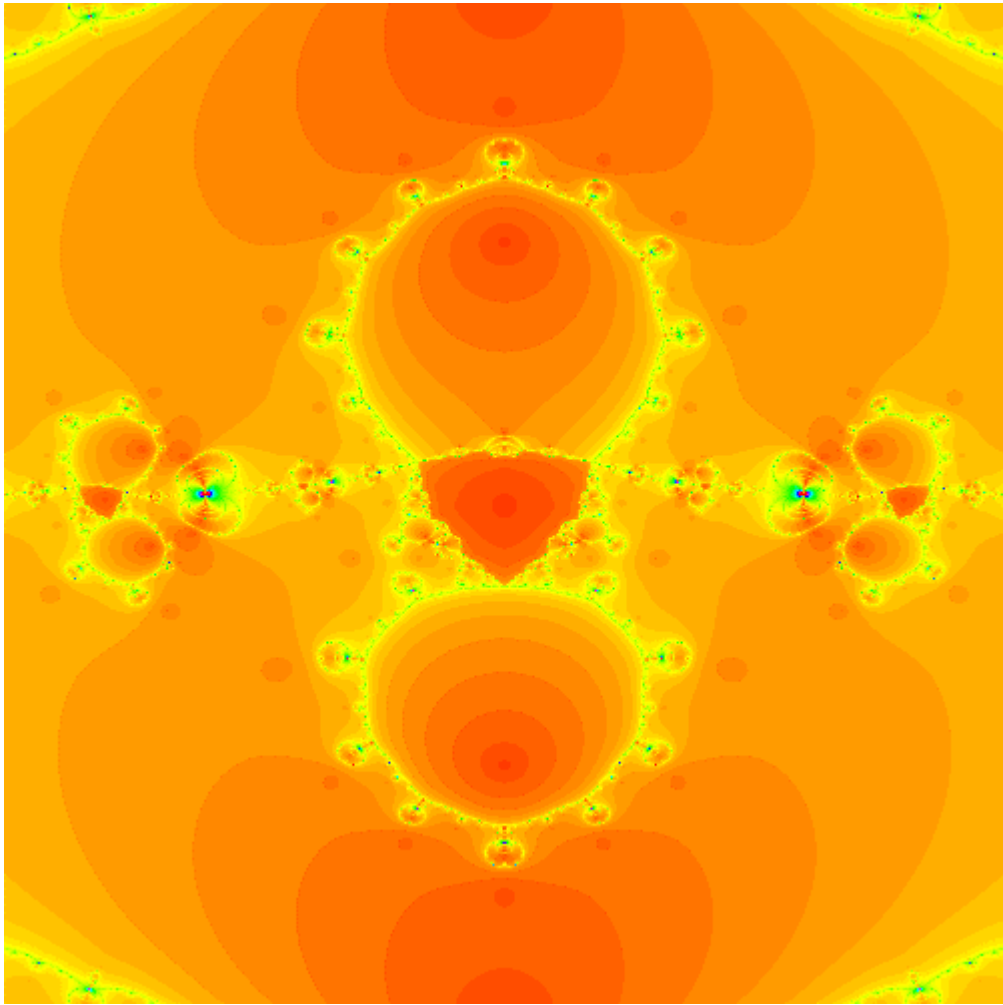


Figure 8.

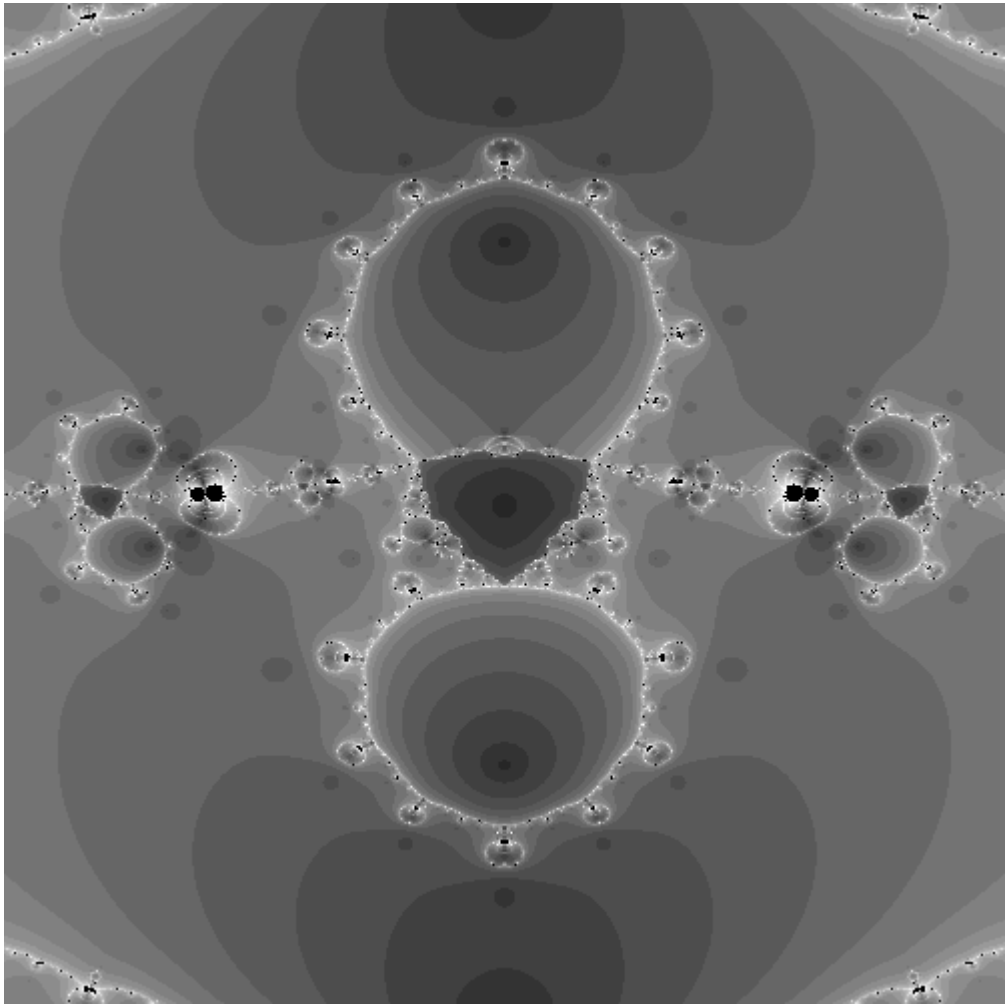


Figure 9.



Figure 10.

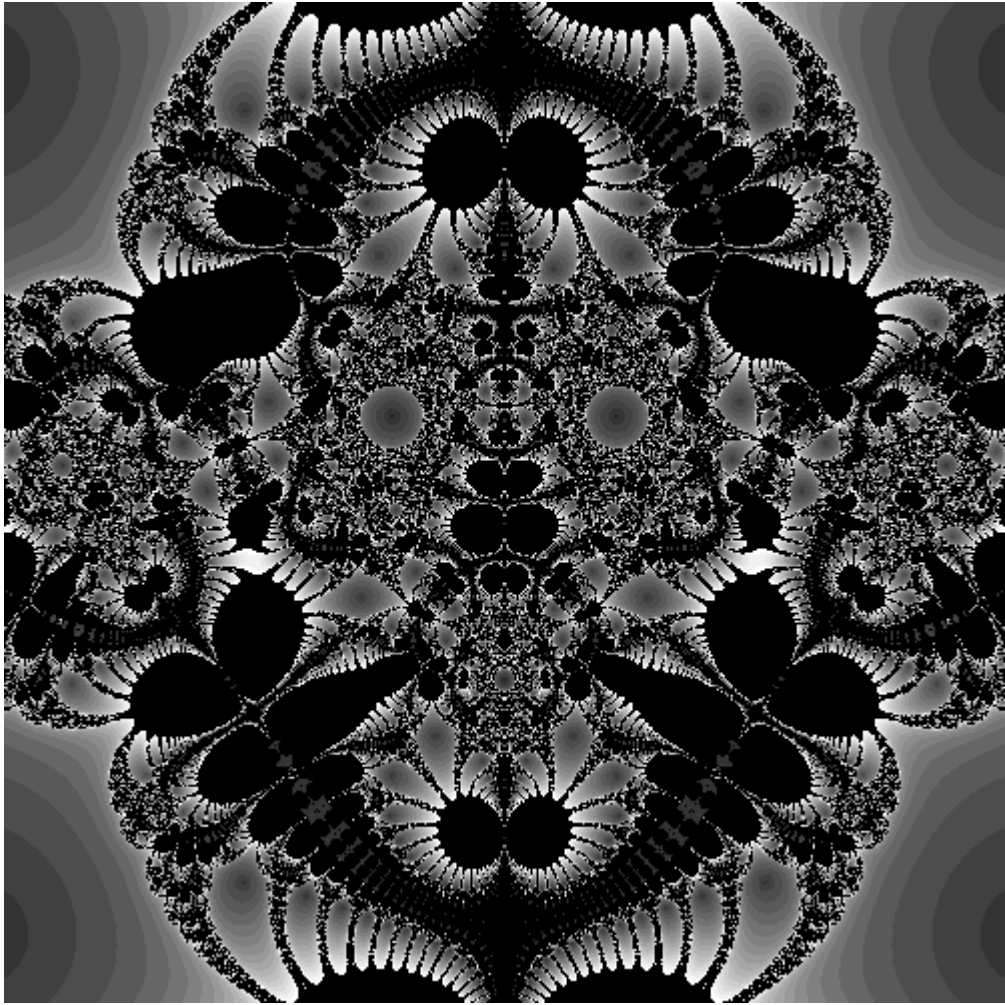


Figure 11.



Figure 12.

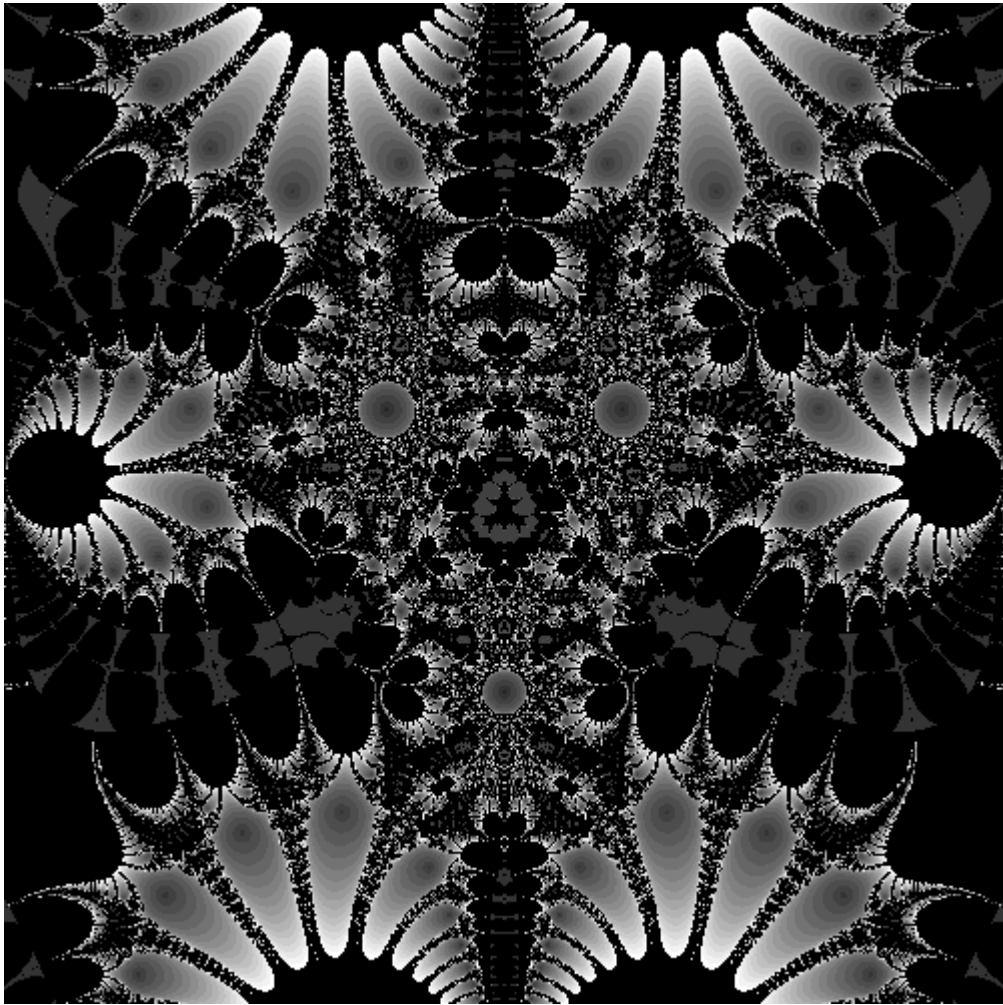


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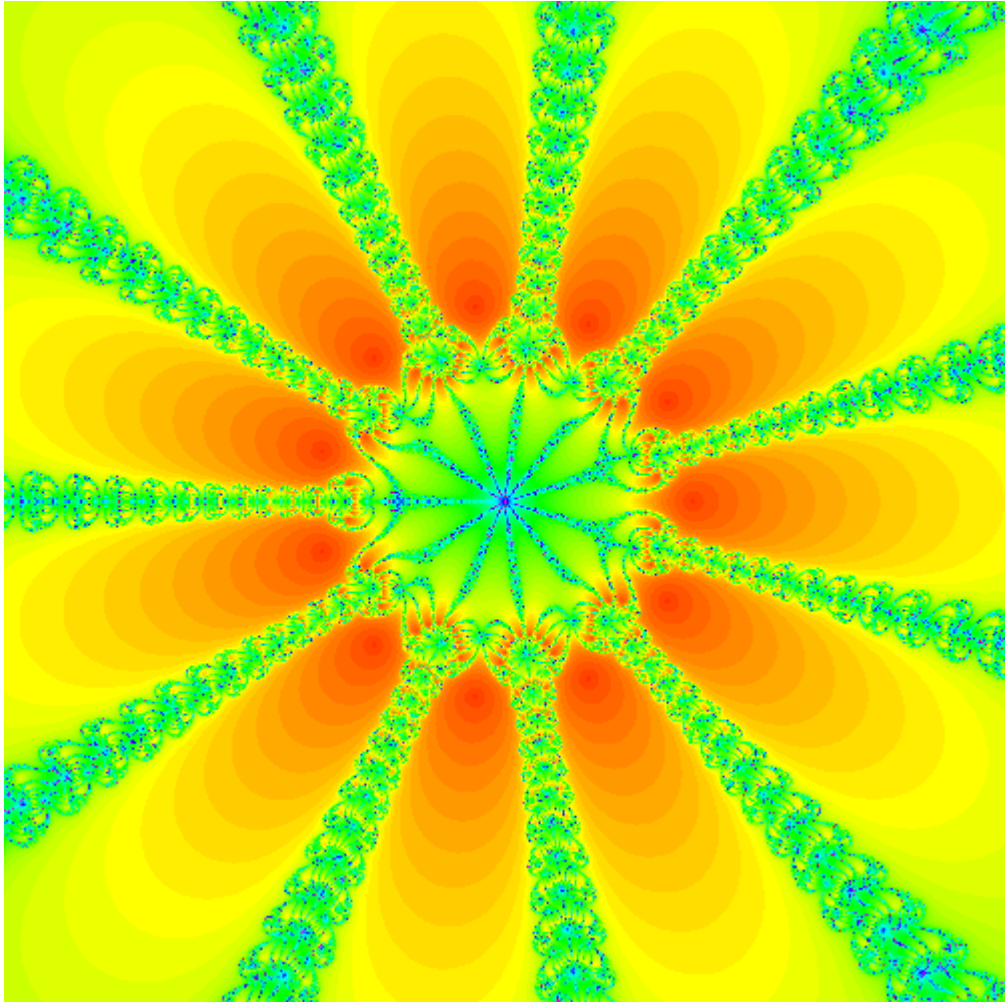


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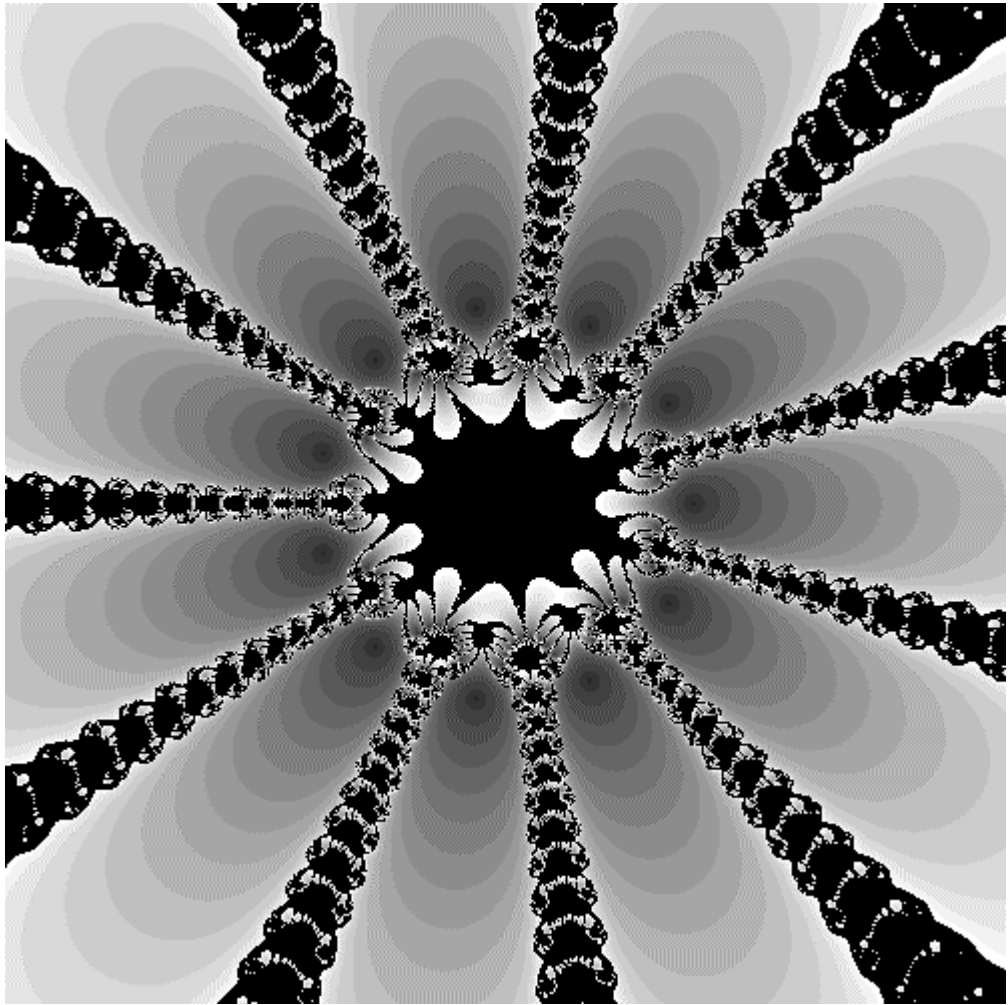


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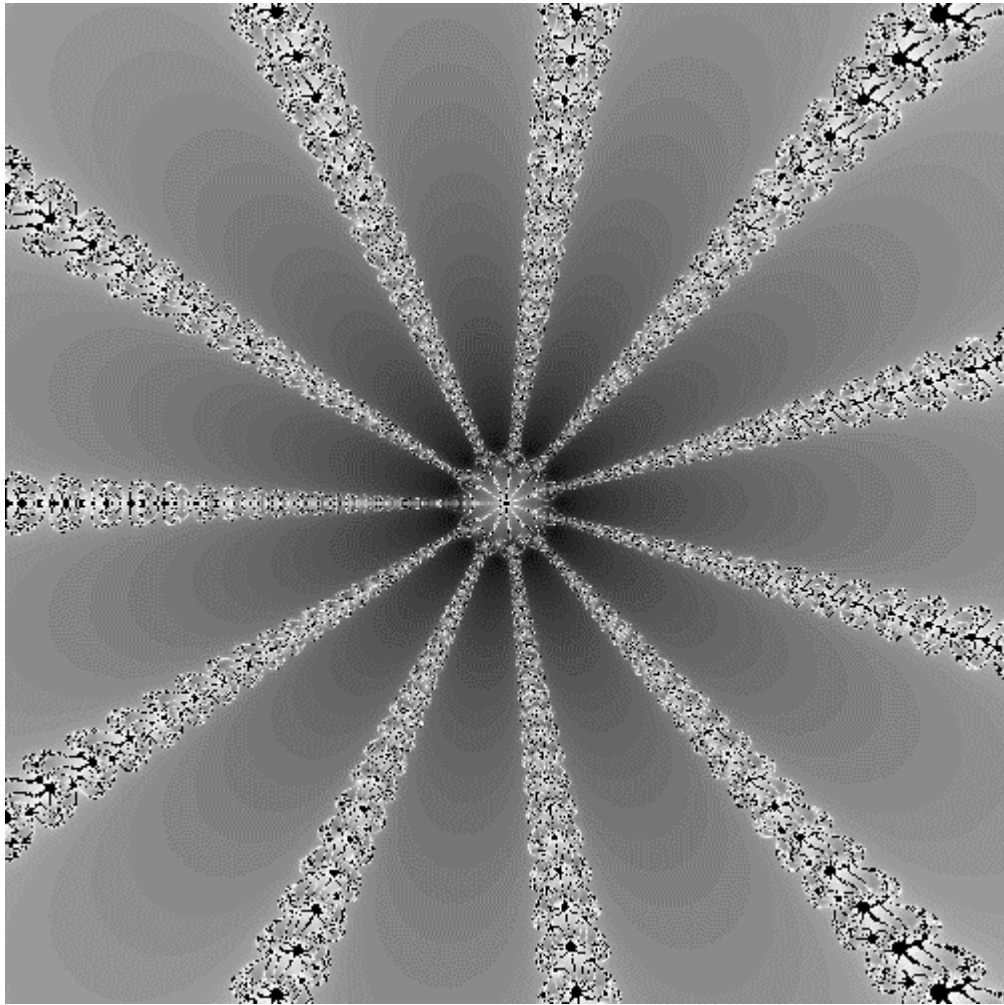


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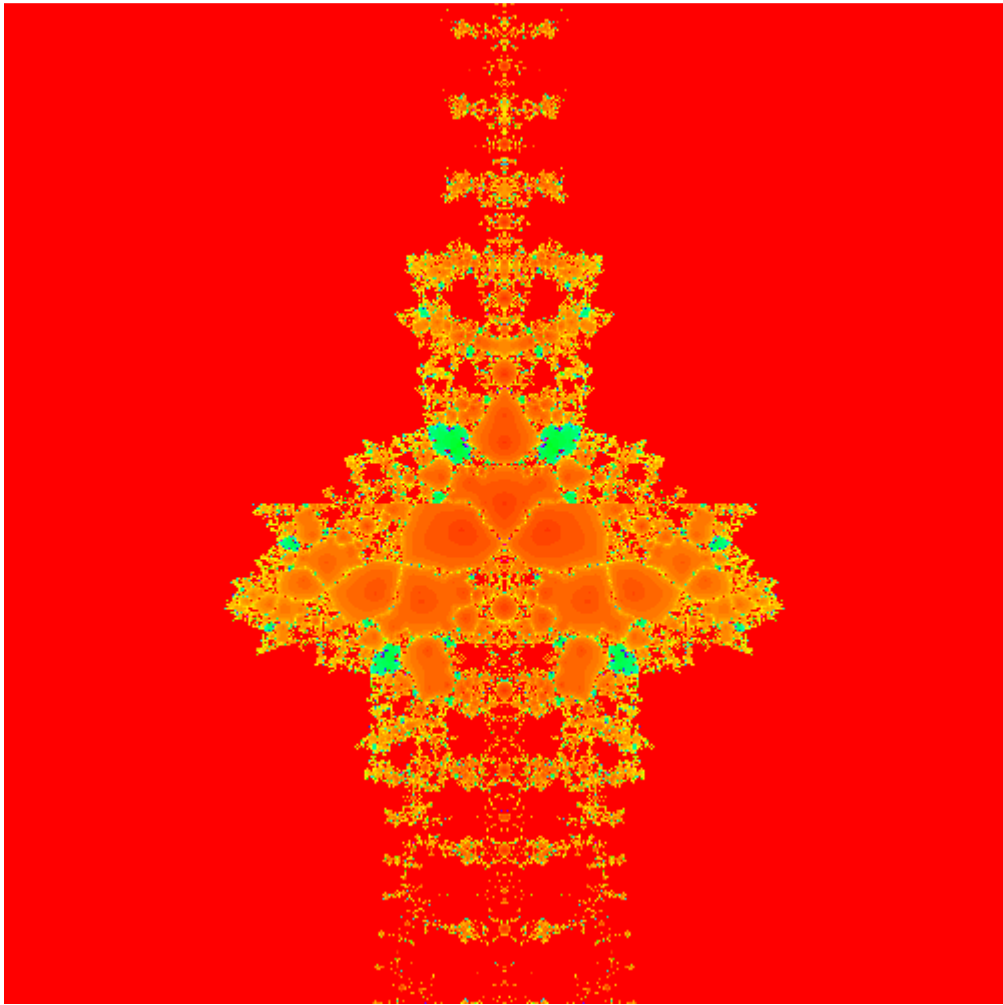


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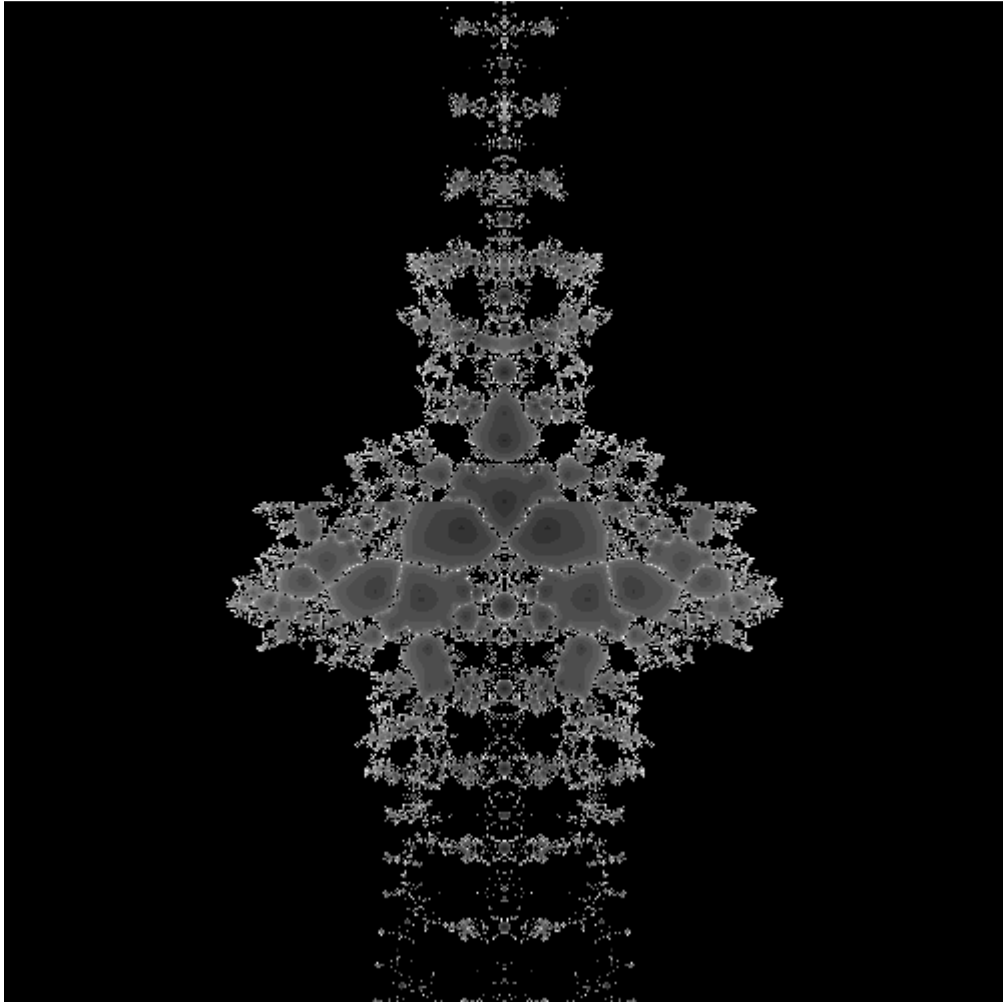


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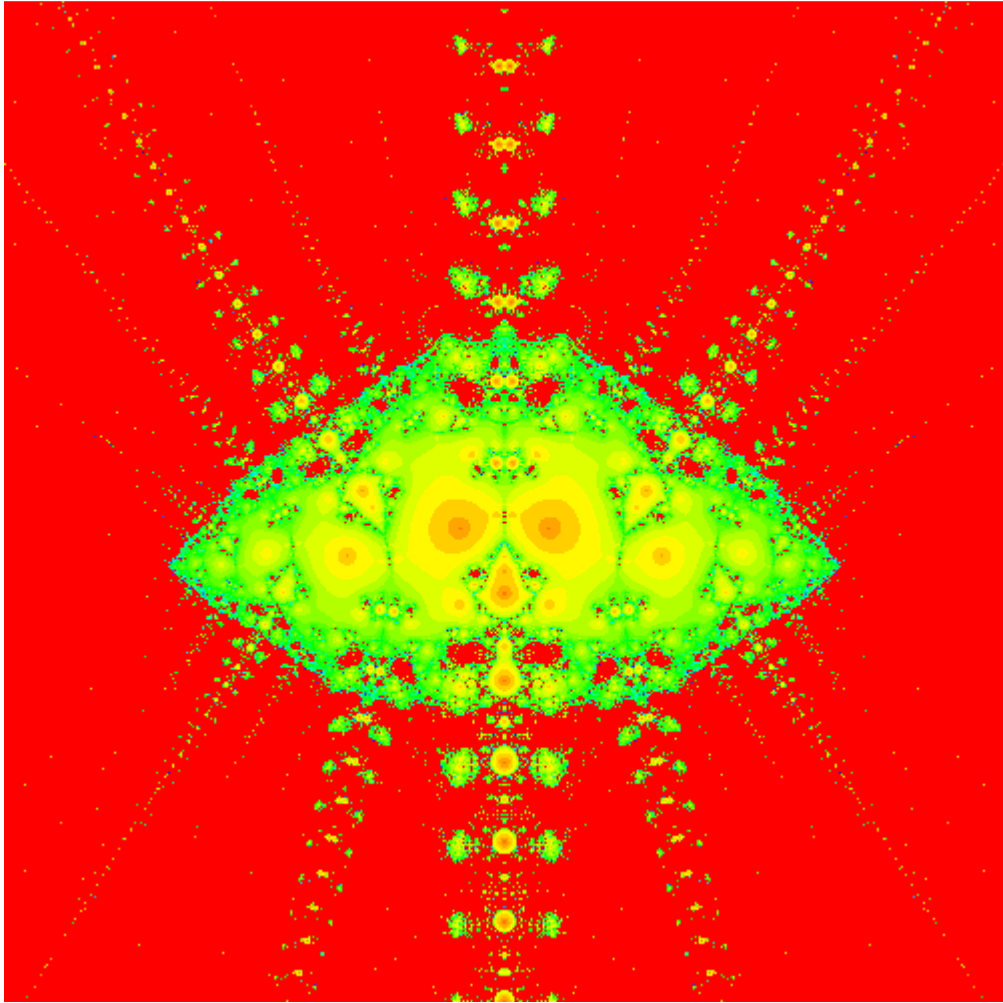


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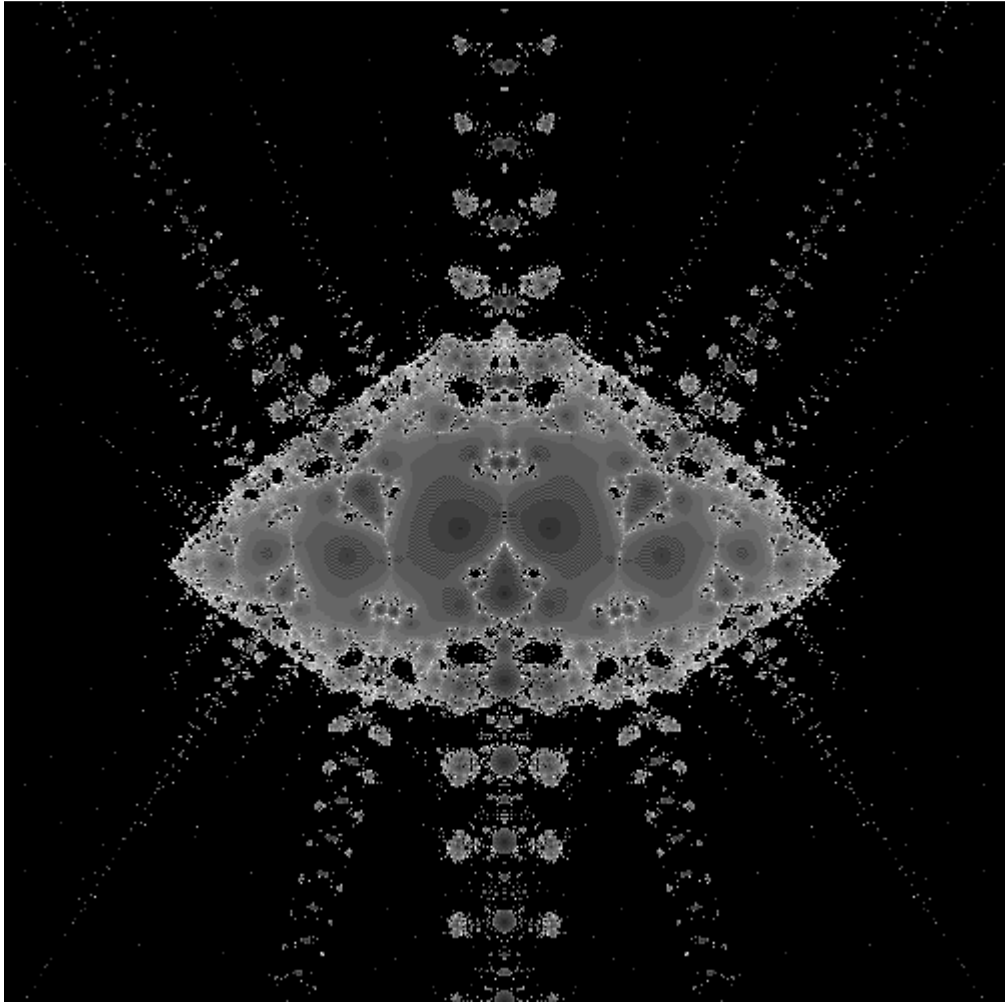


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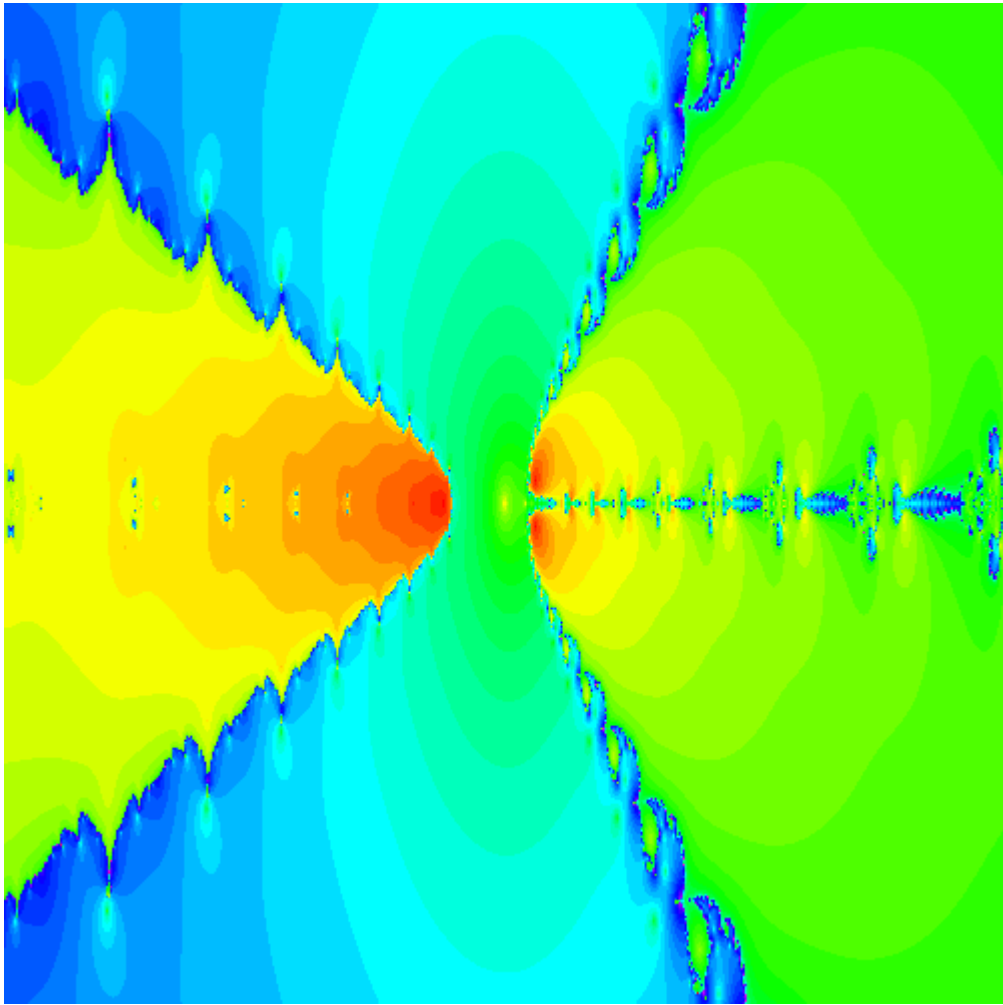


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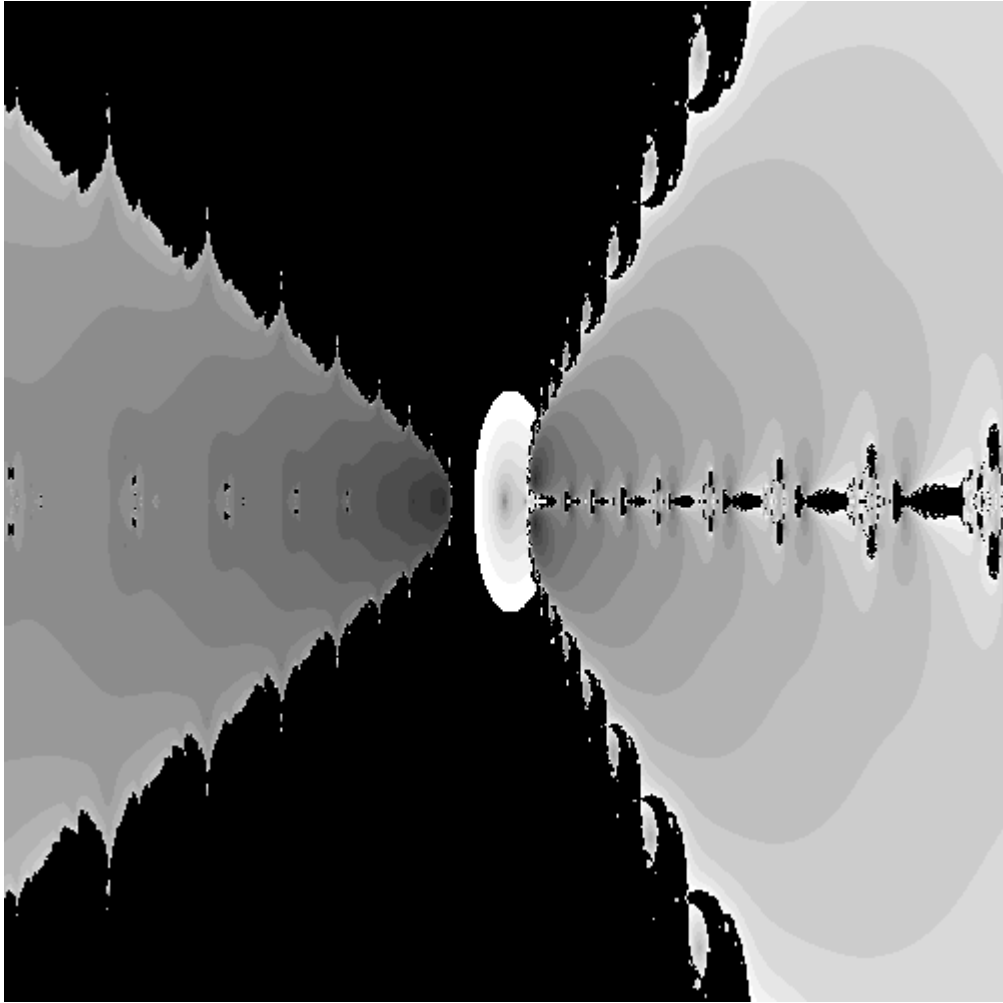


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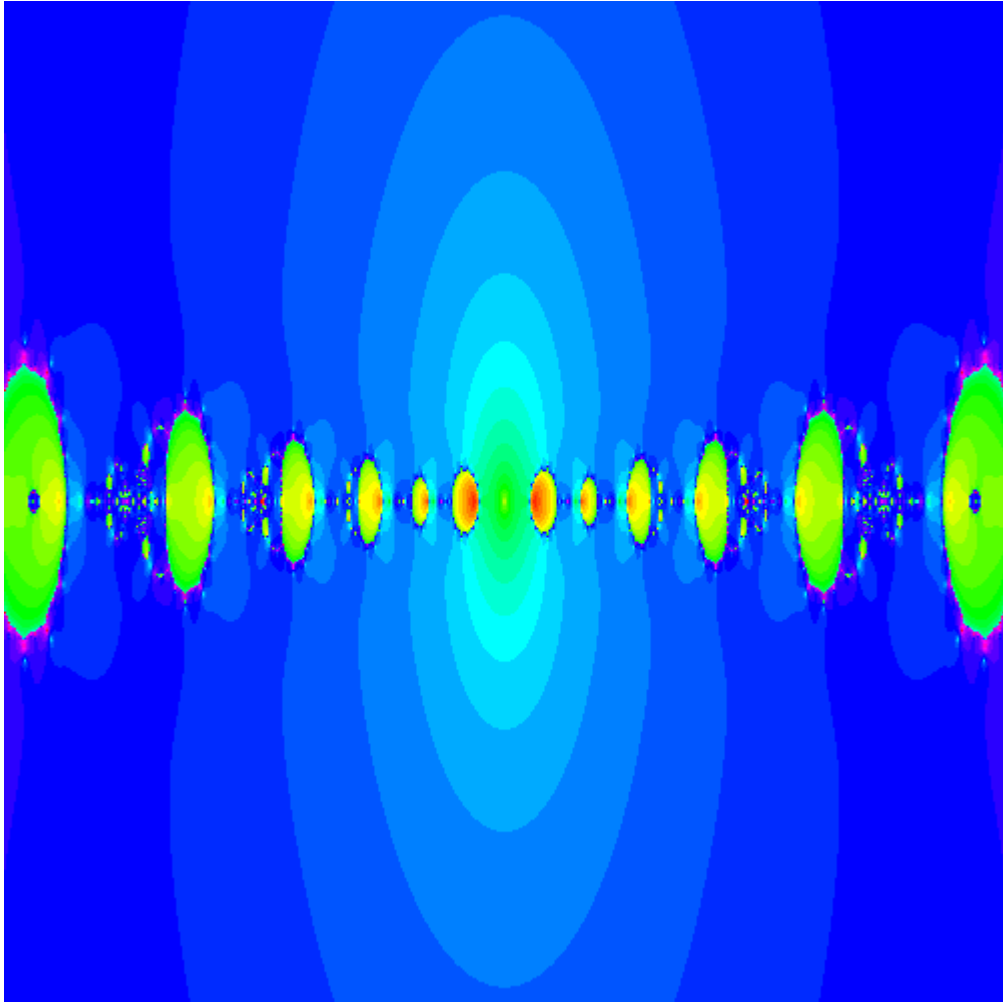


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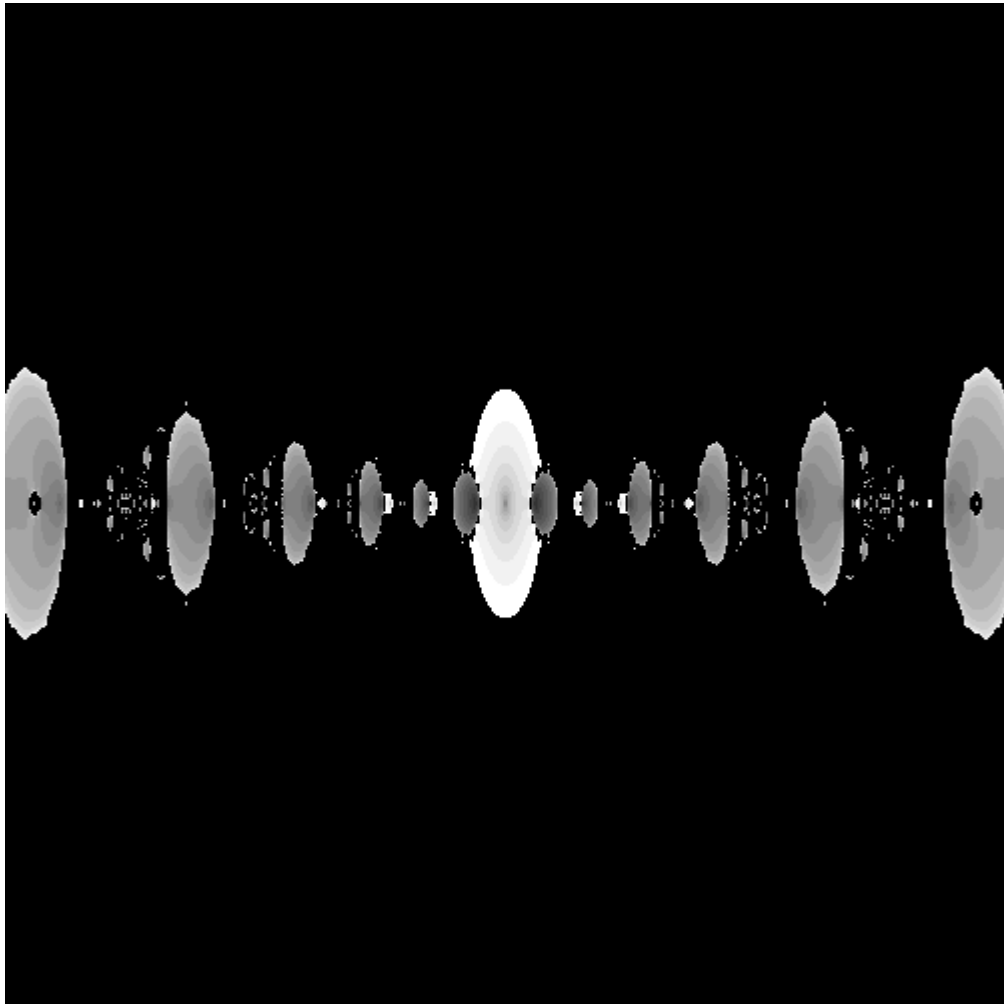


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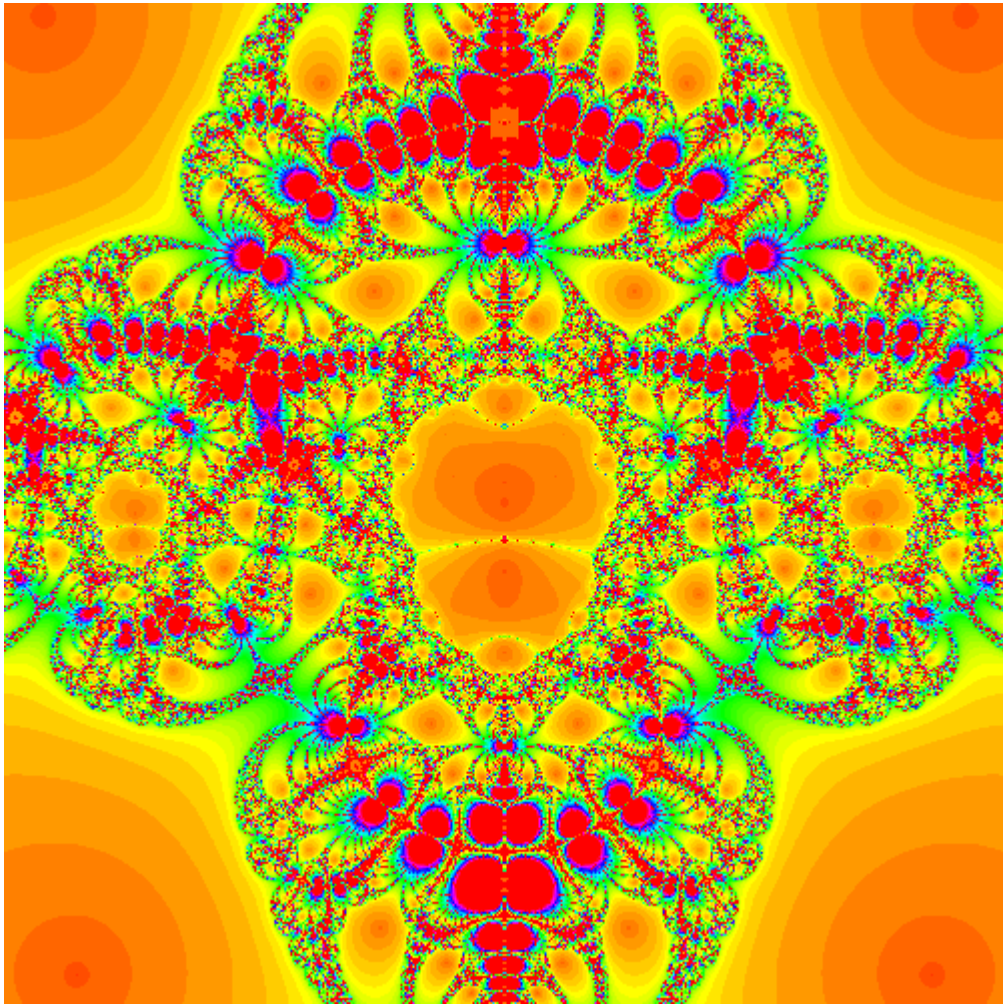


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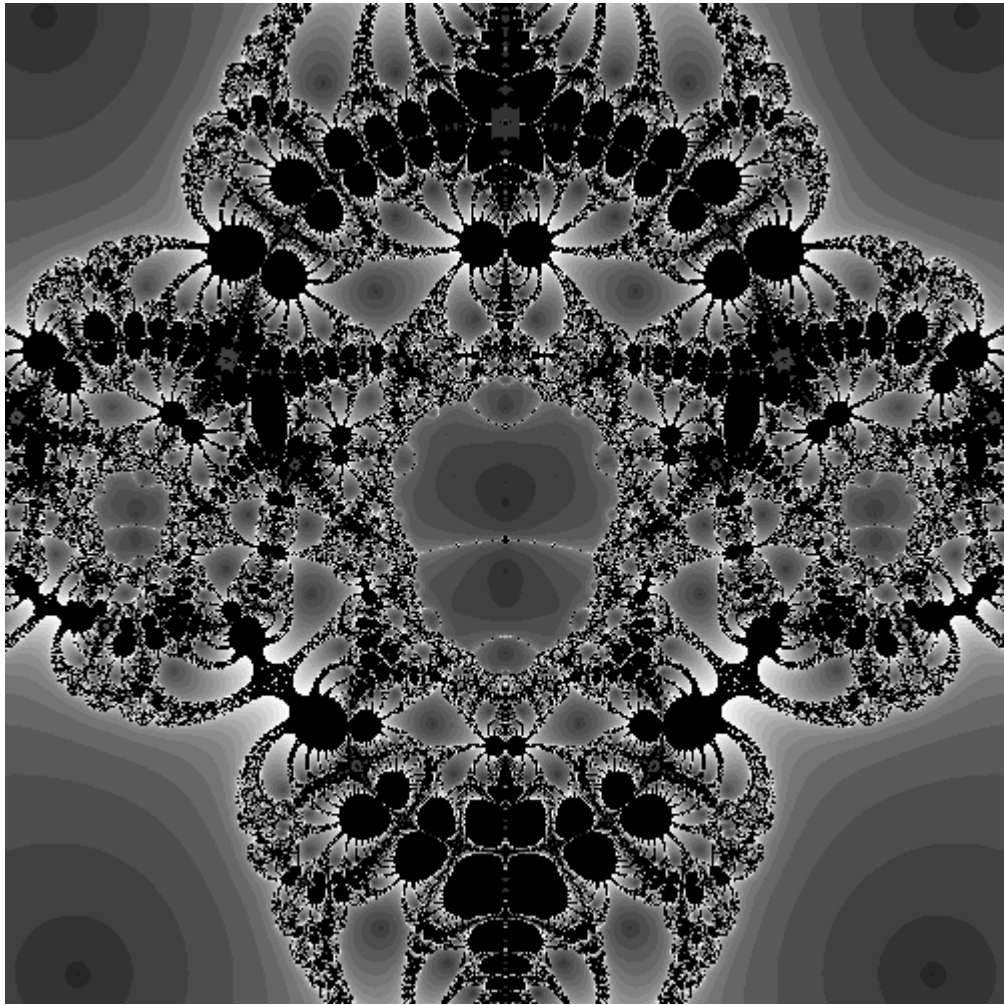


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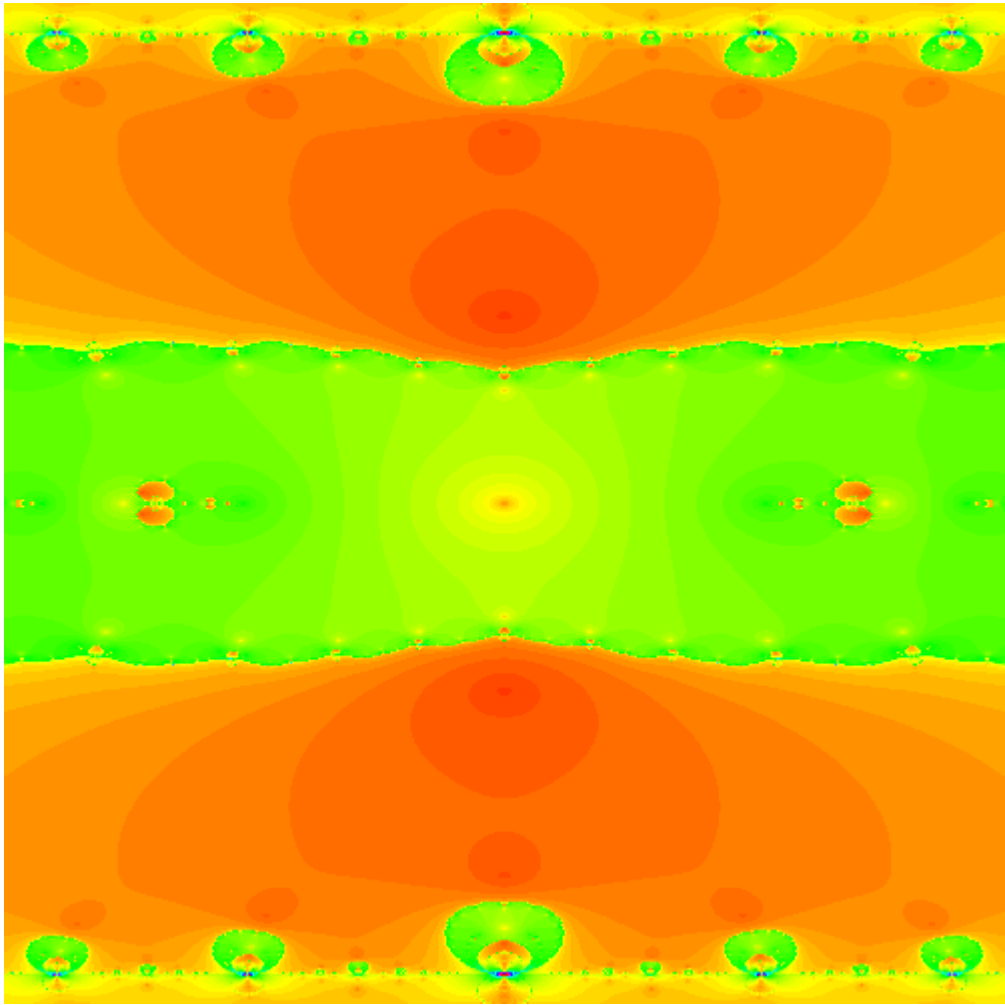


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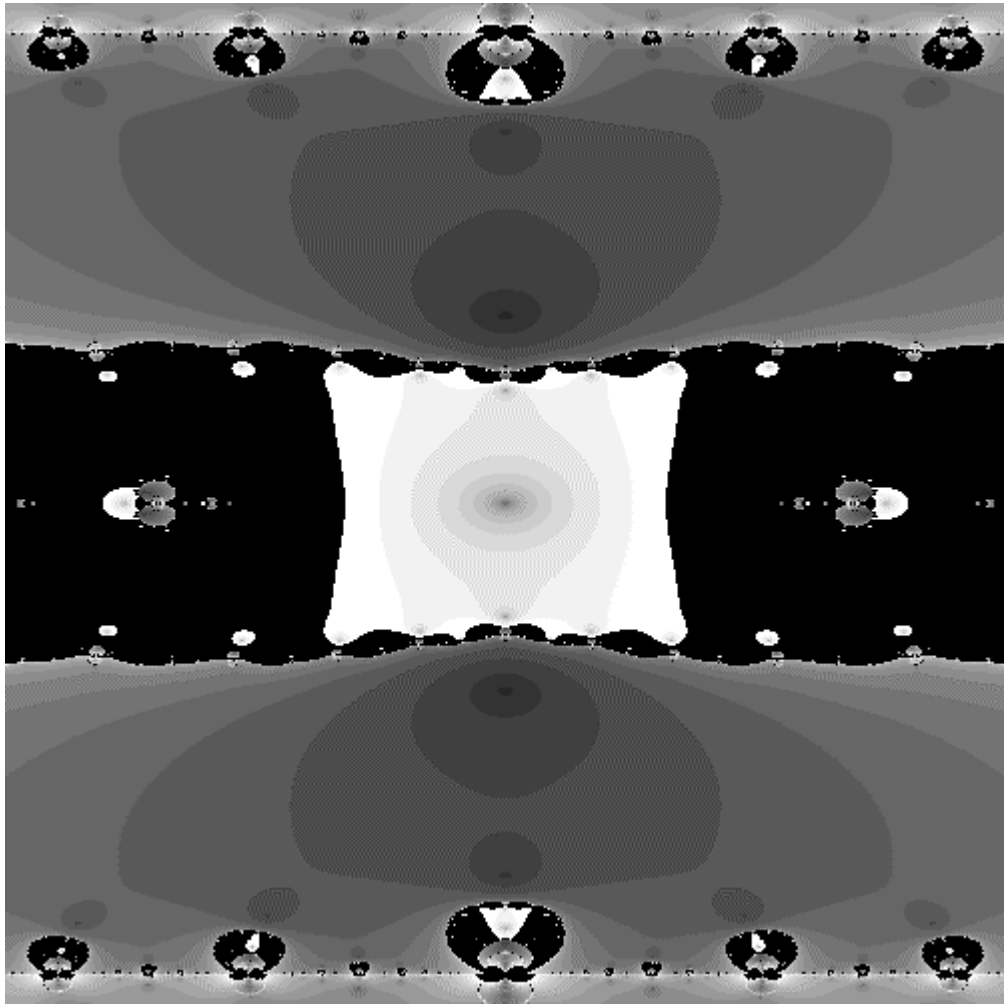


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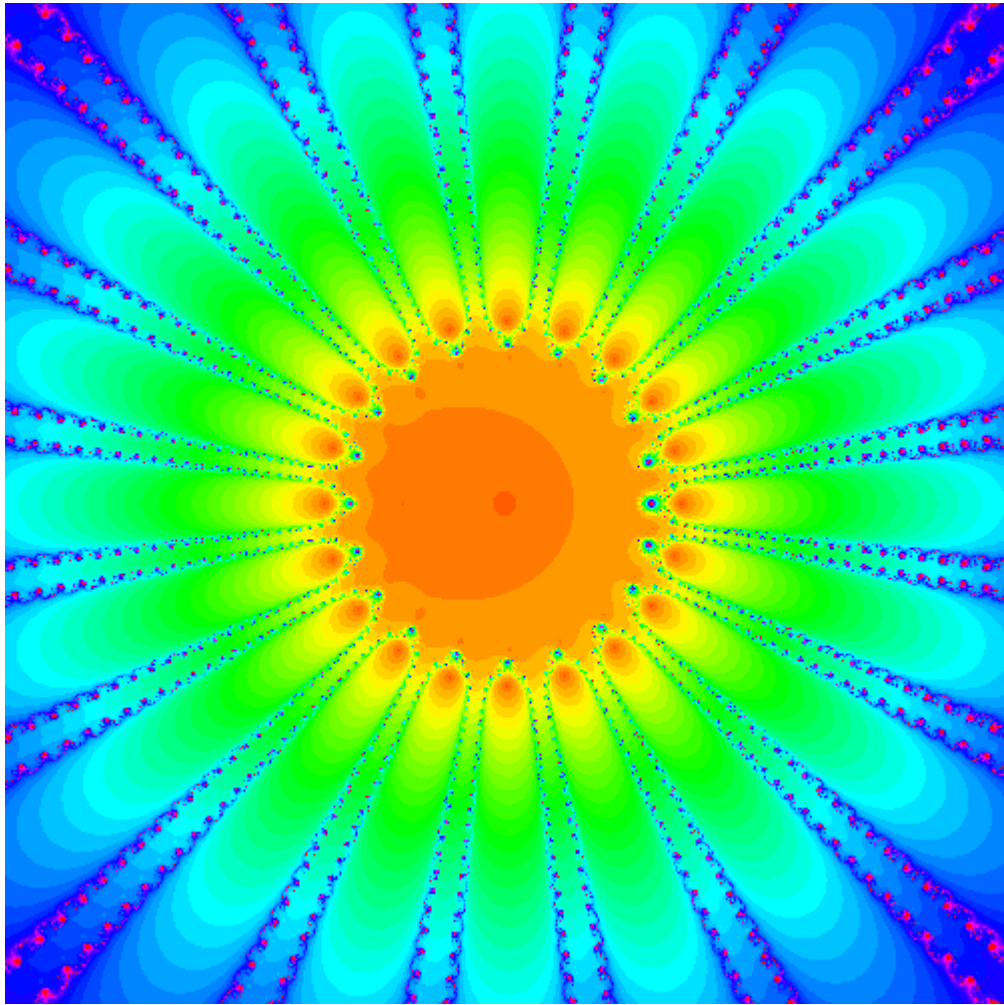


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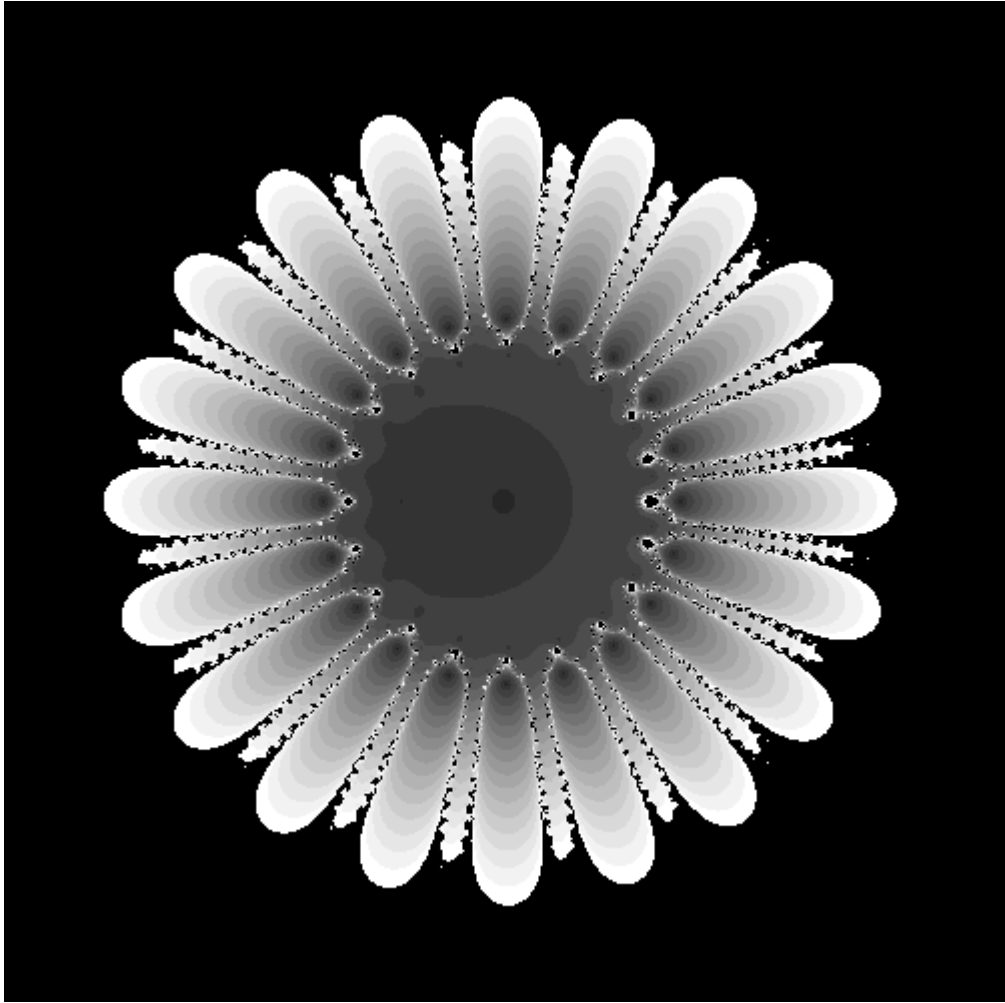


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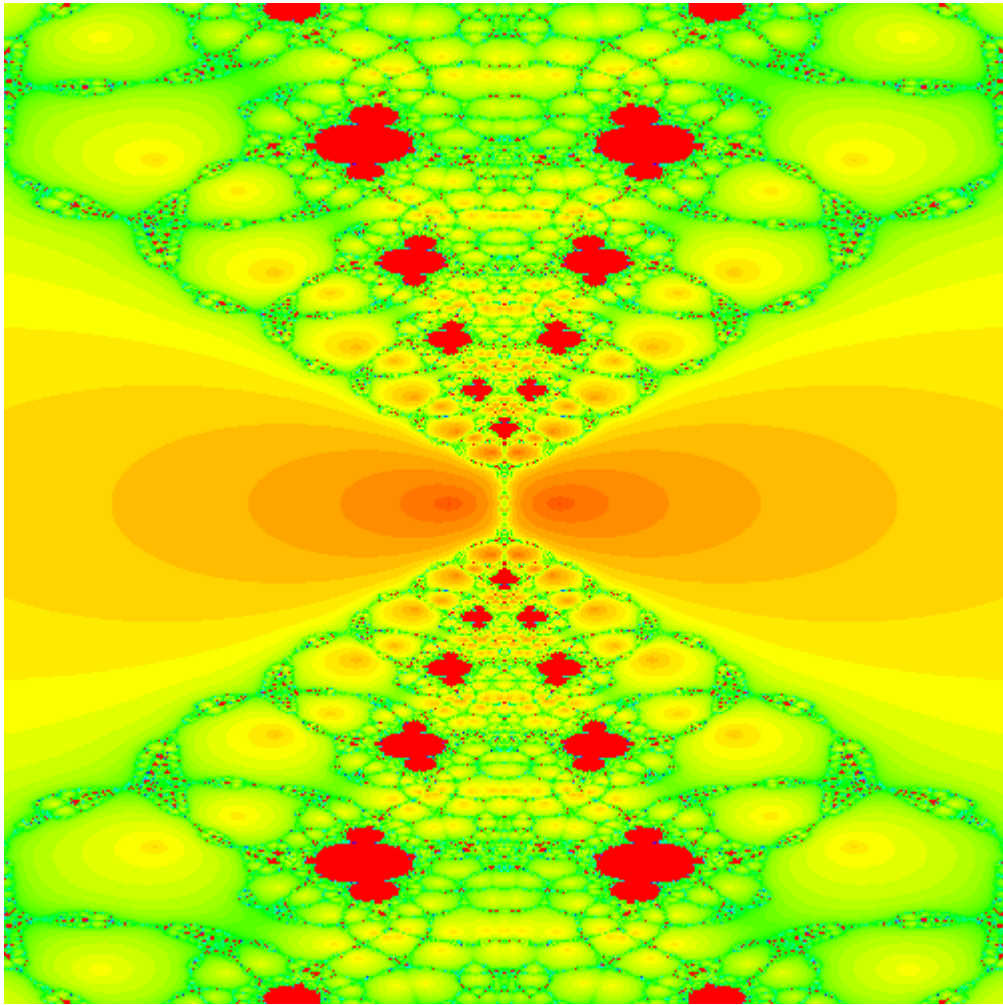


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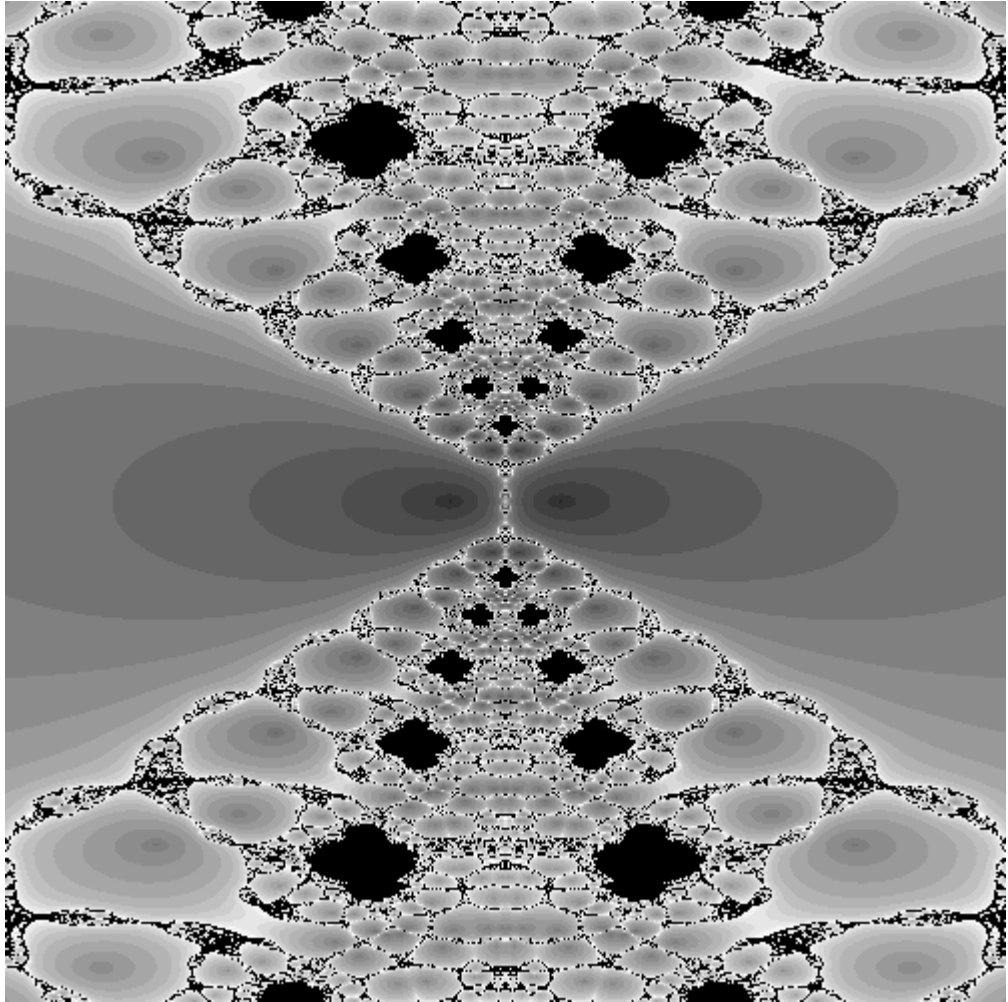


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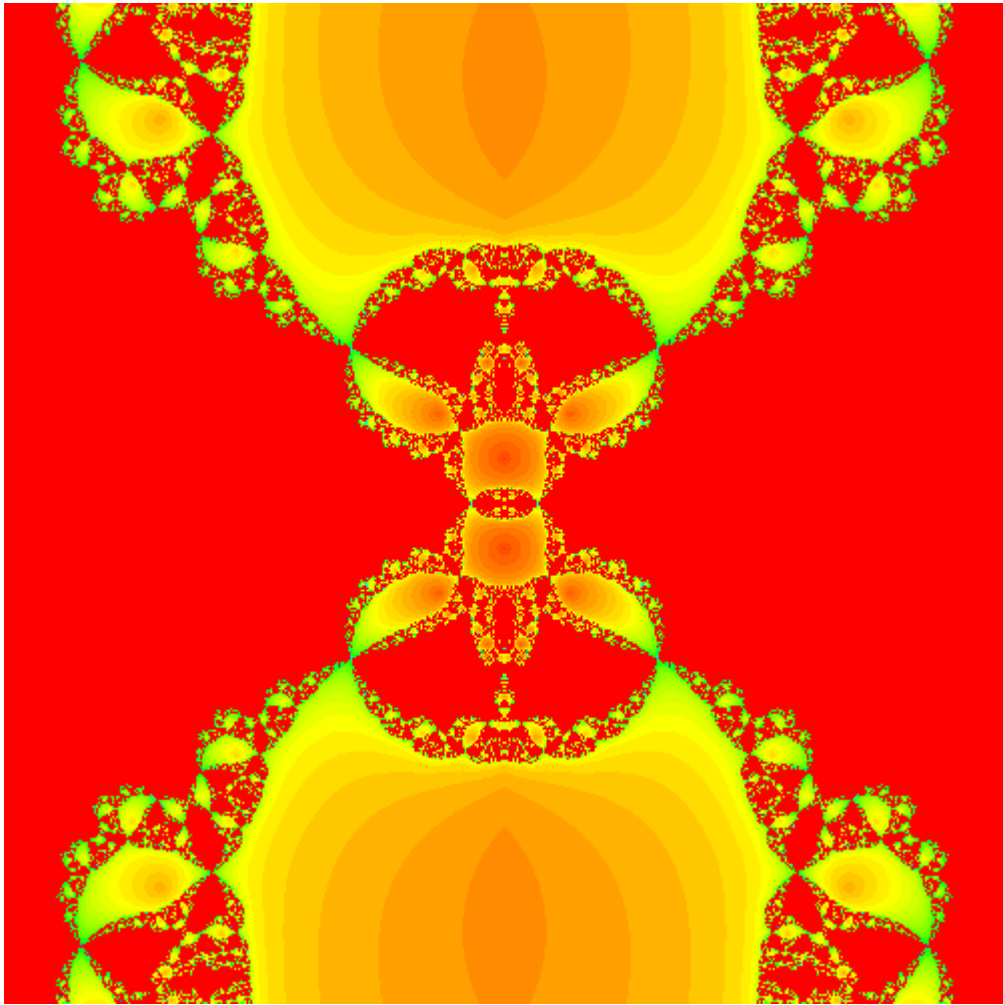


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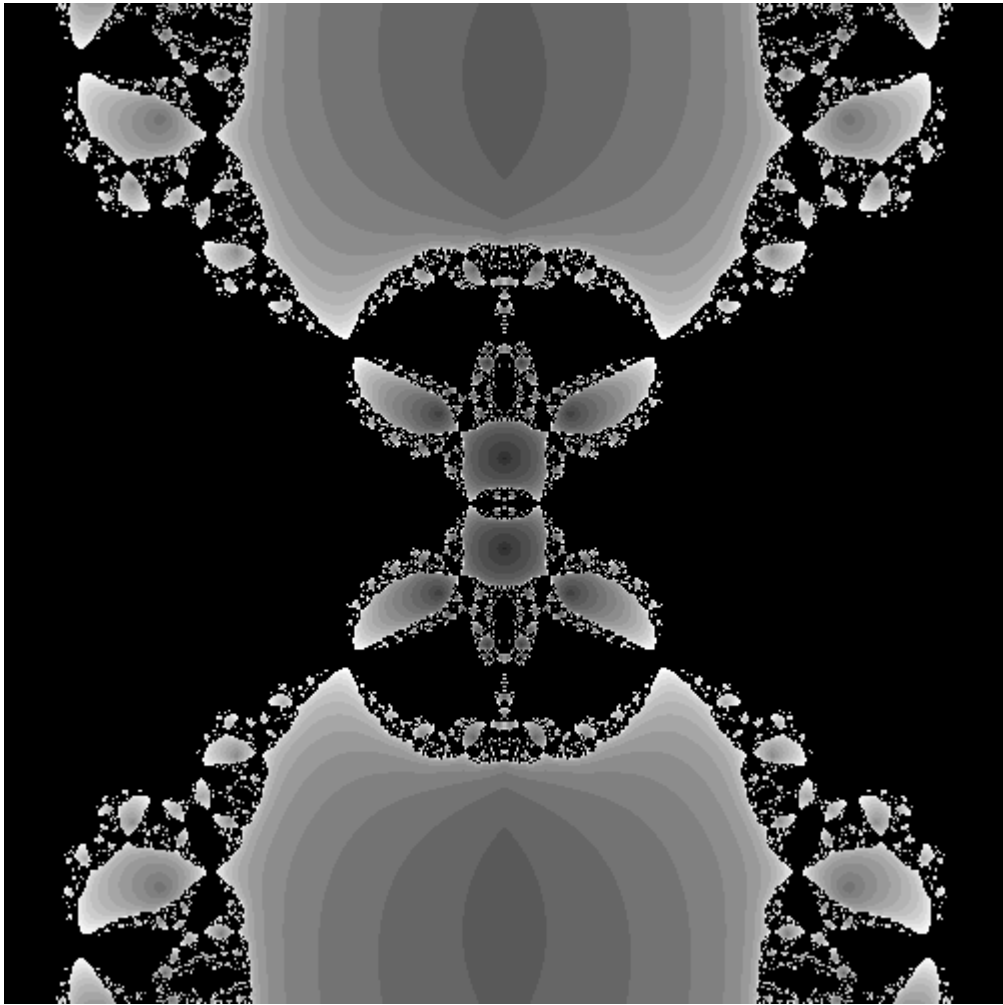


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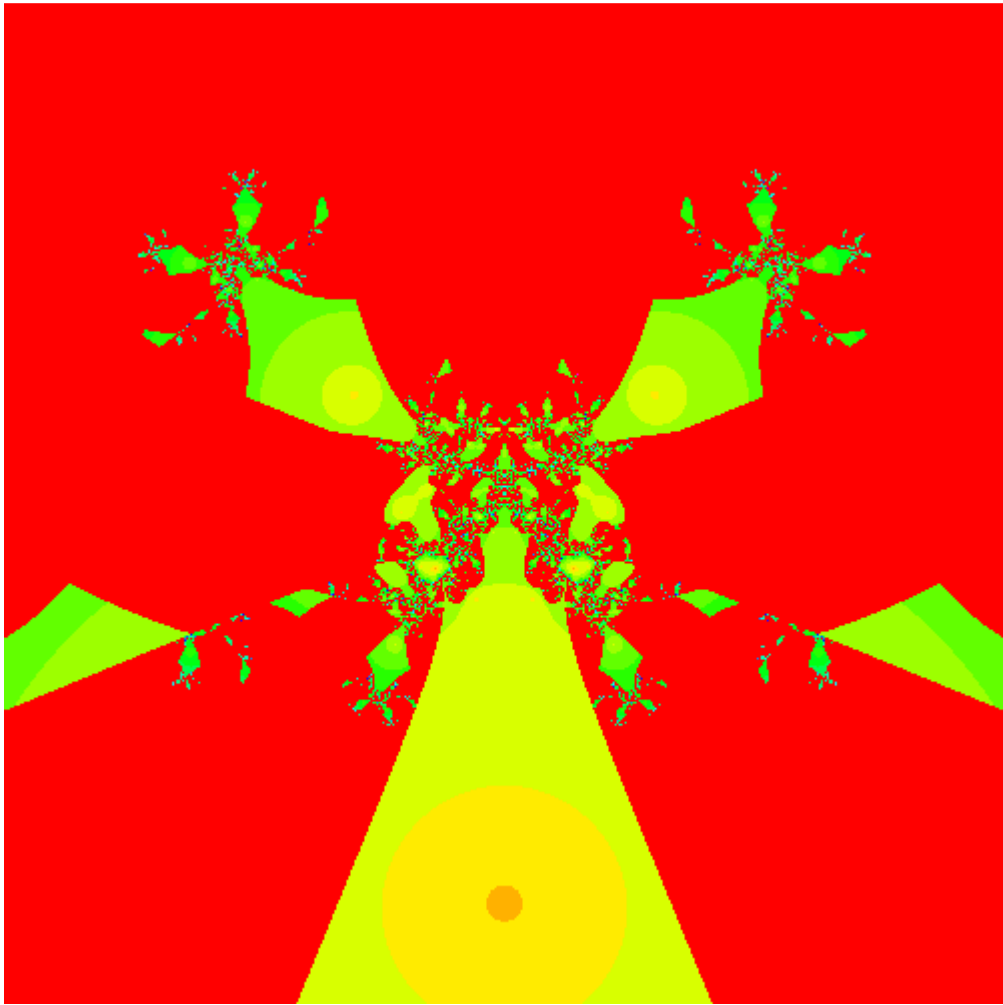


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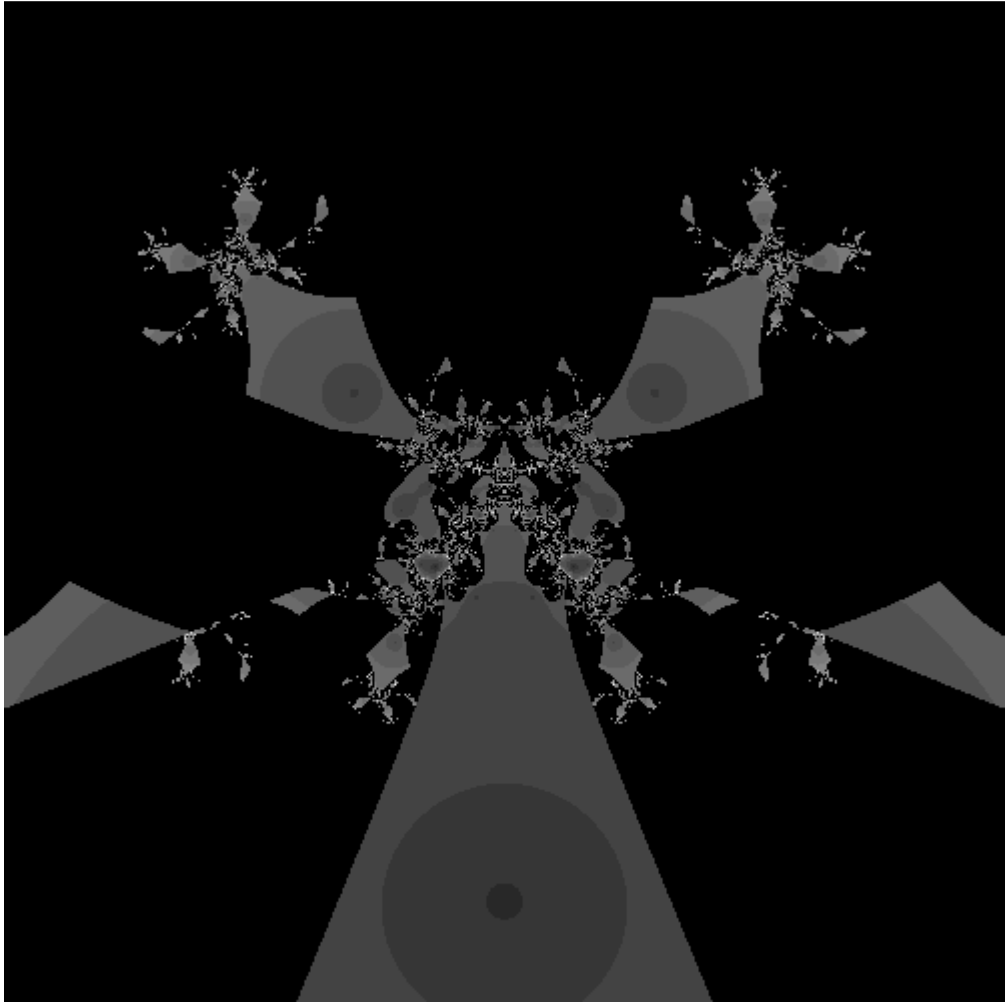


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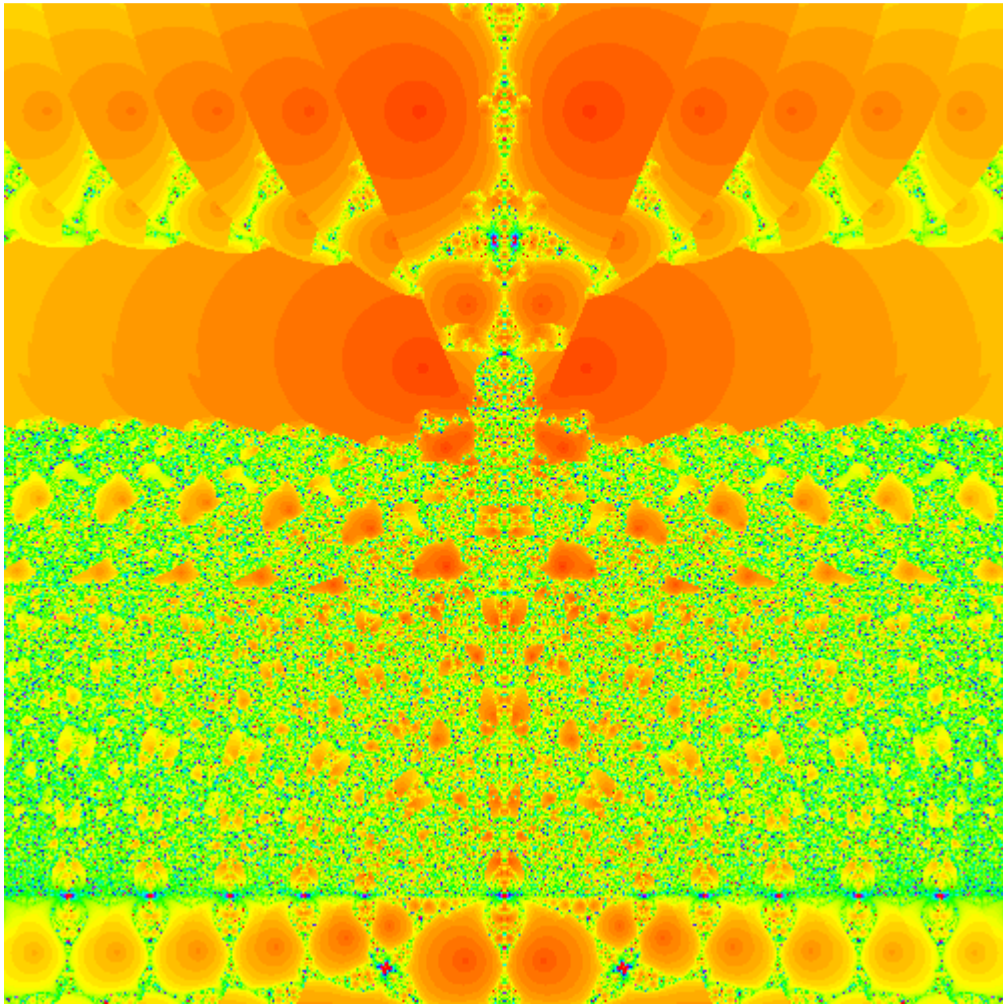


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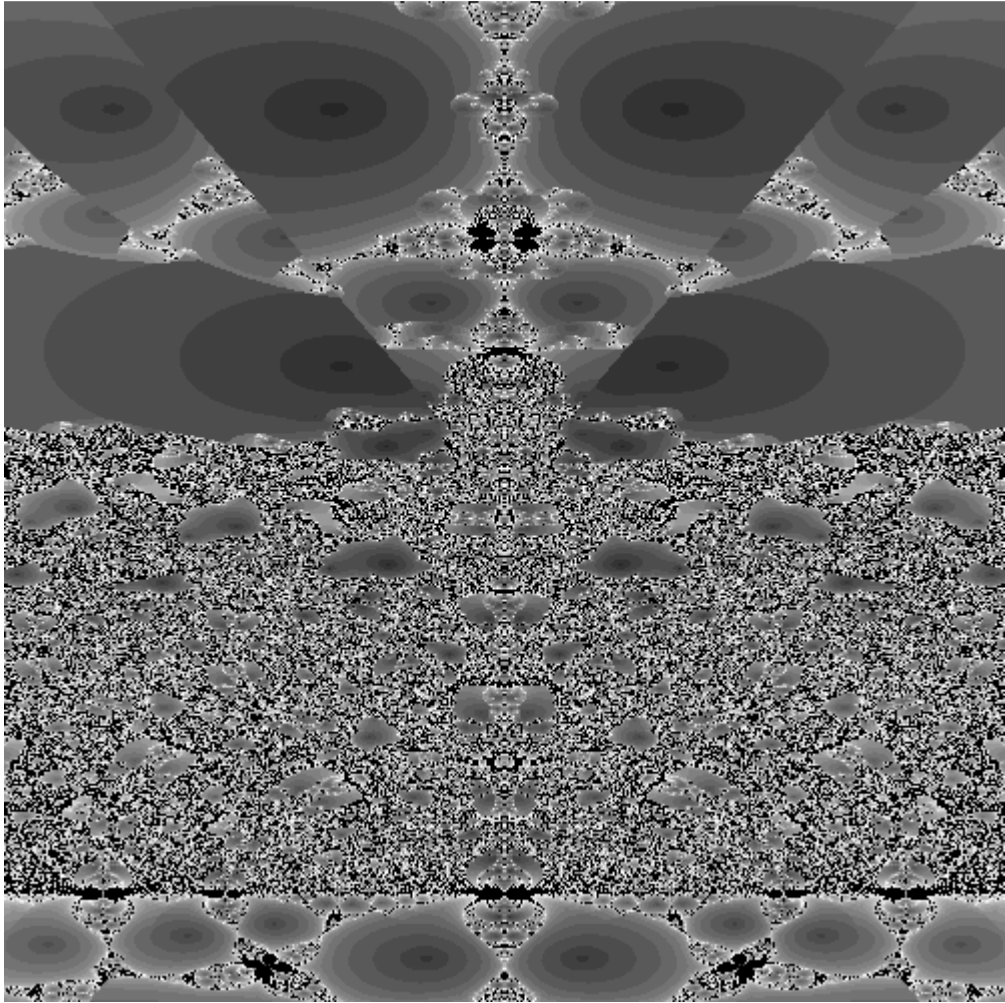


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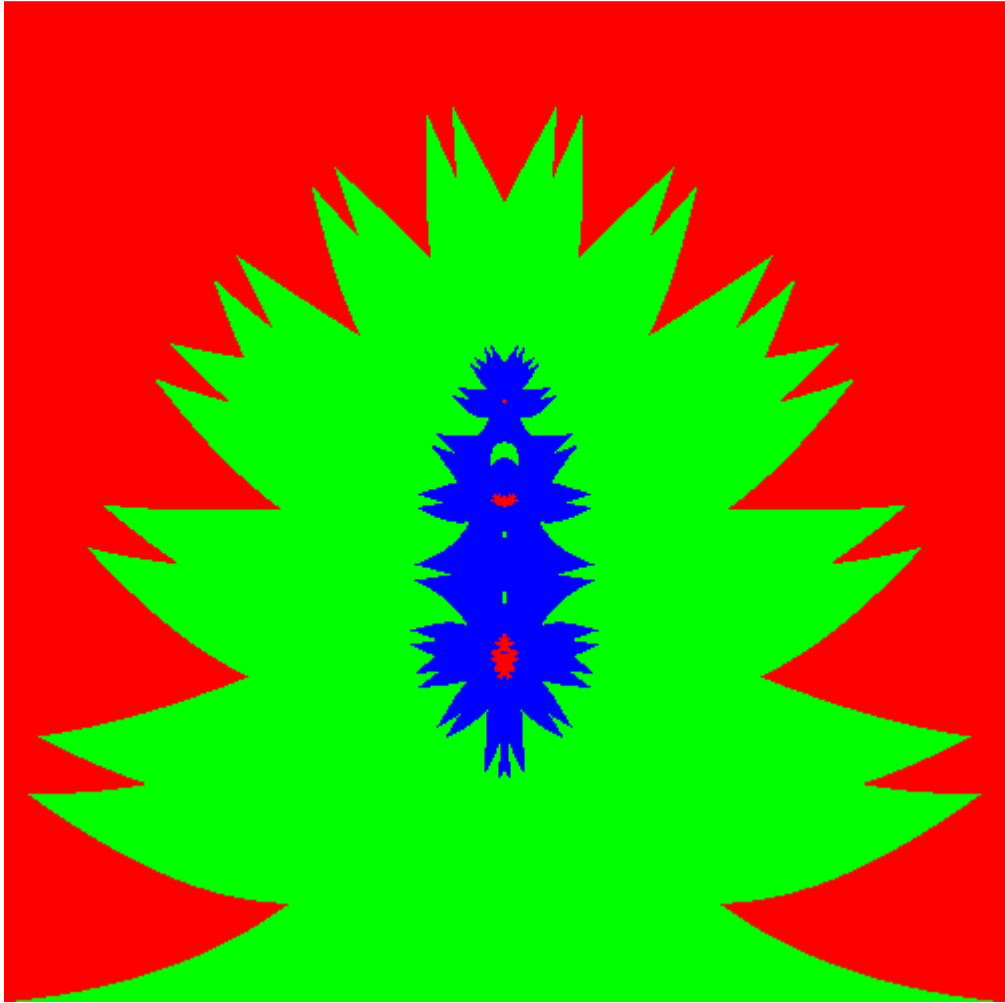


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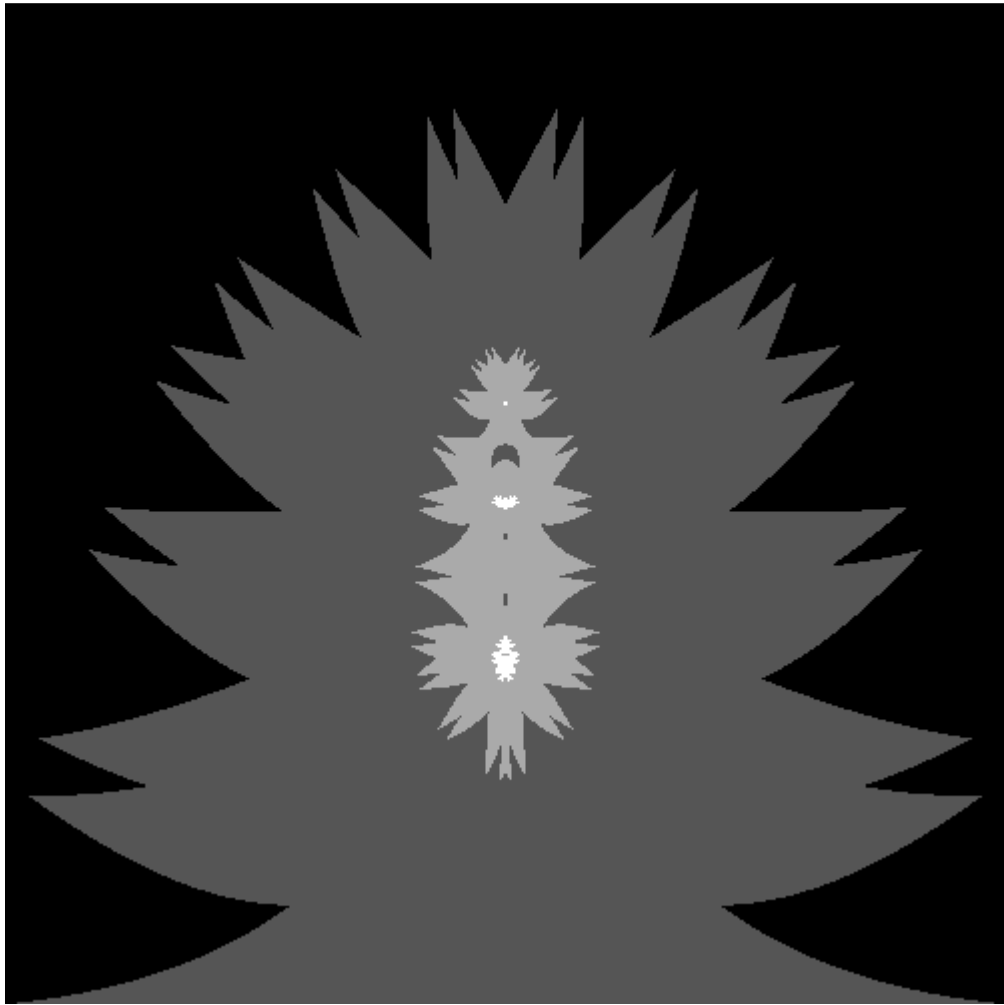


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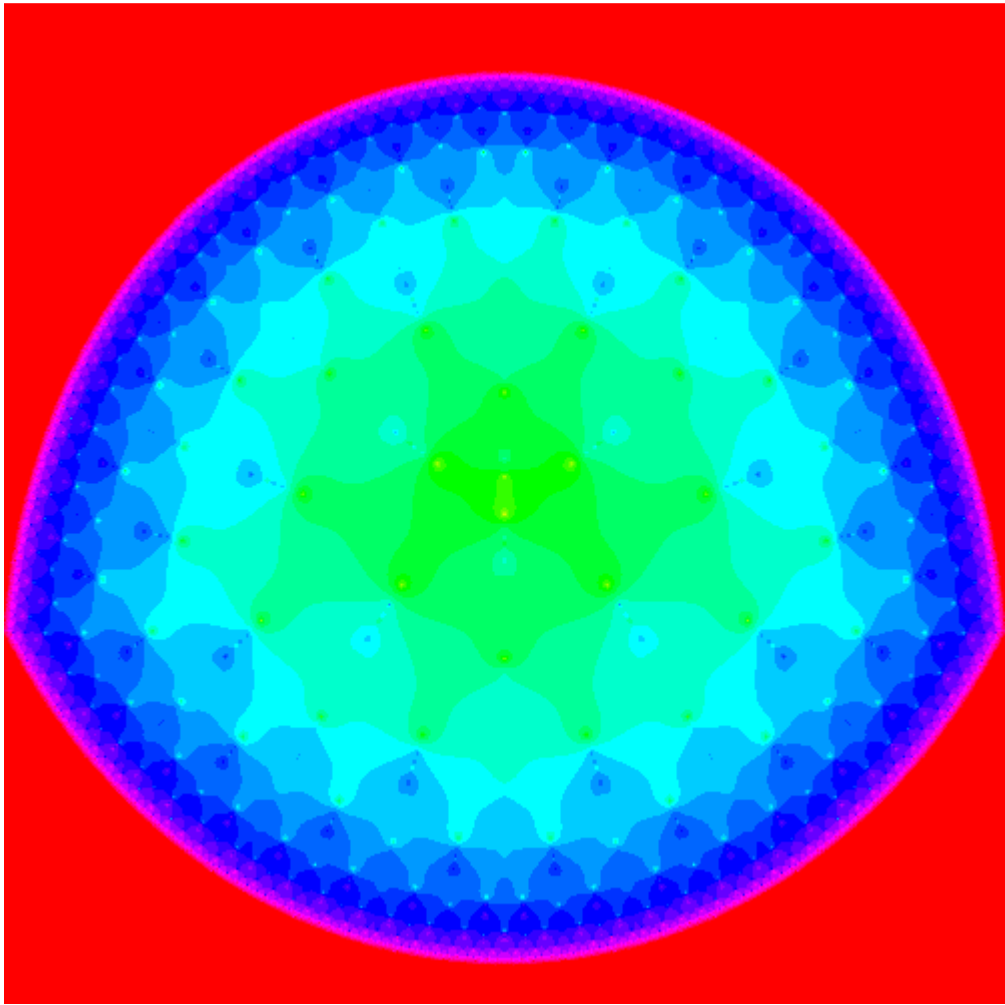


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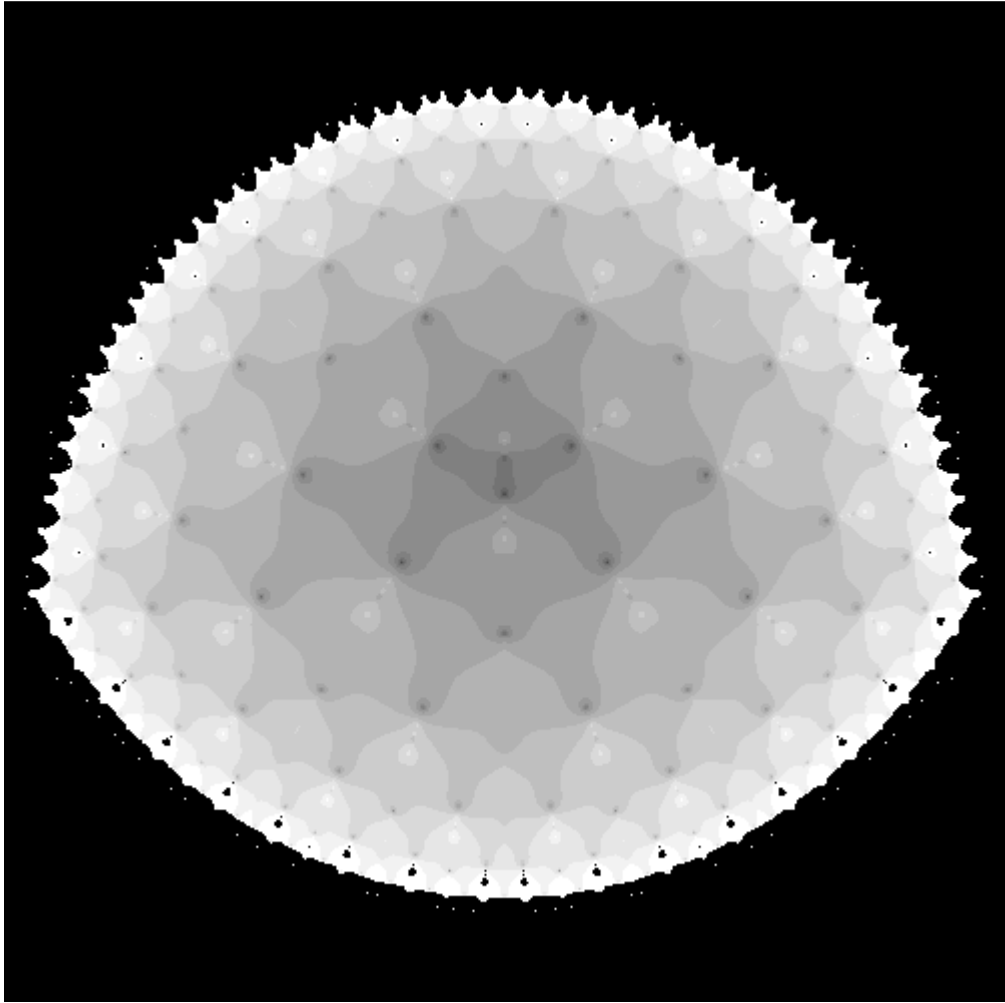


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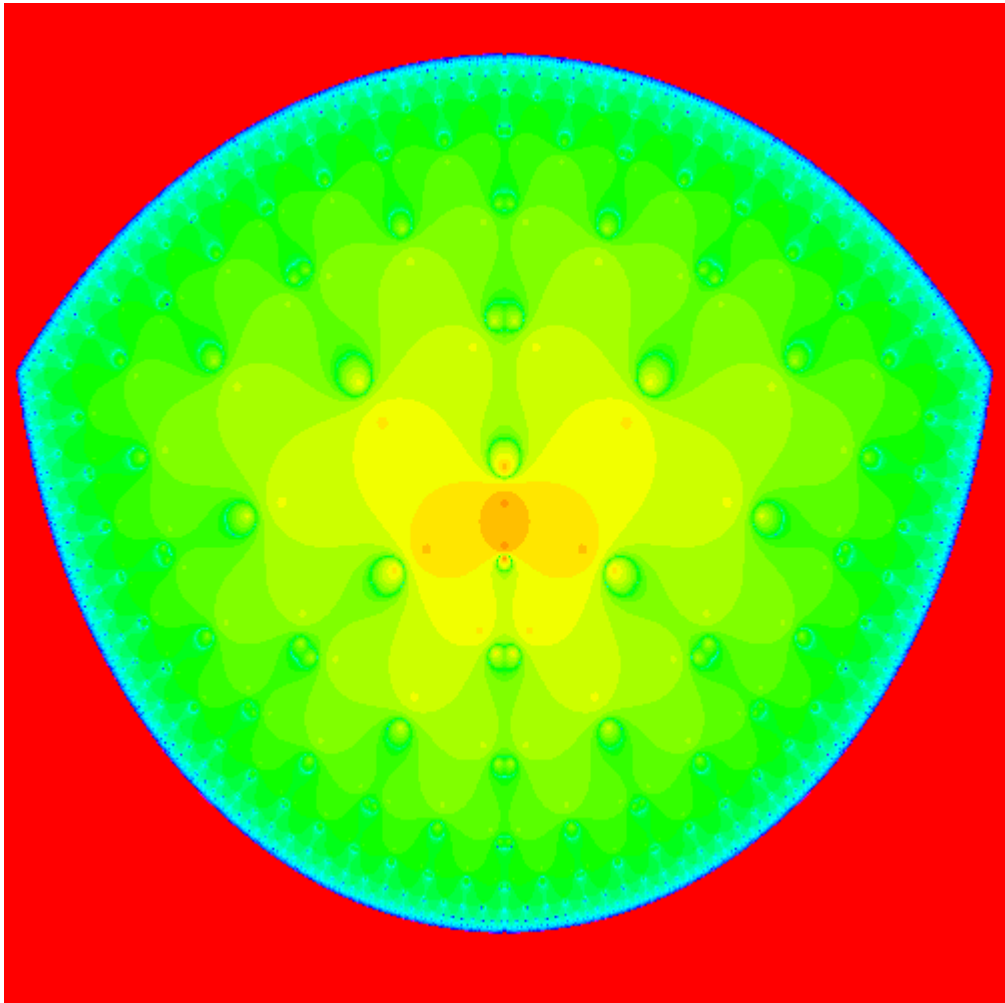


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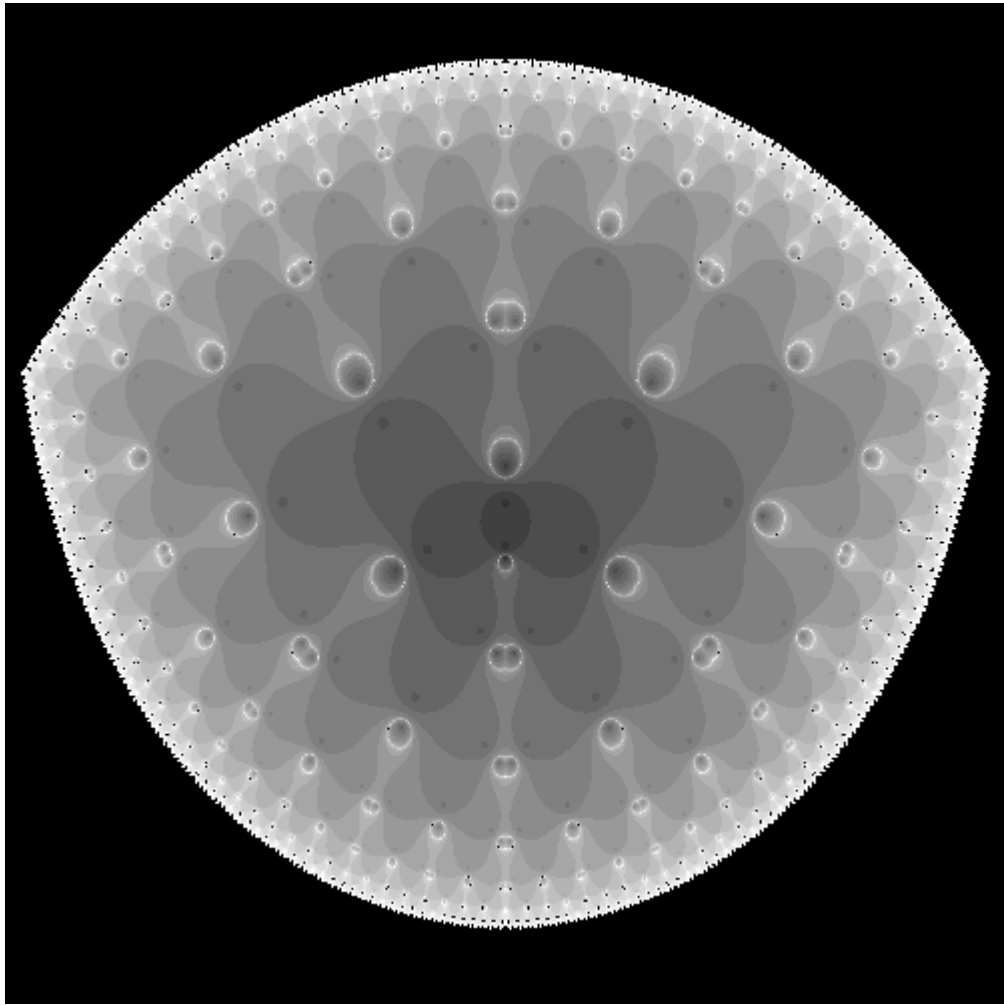


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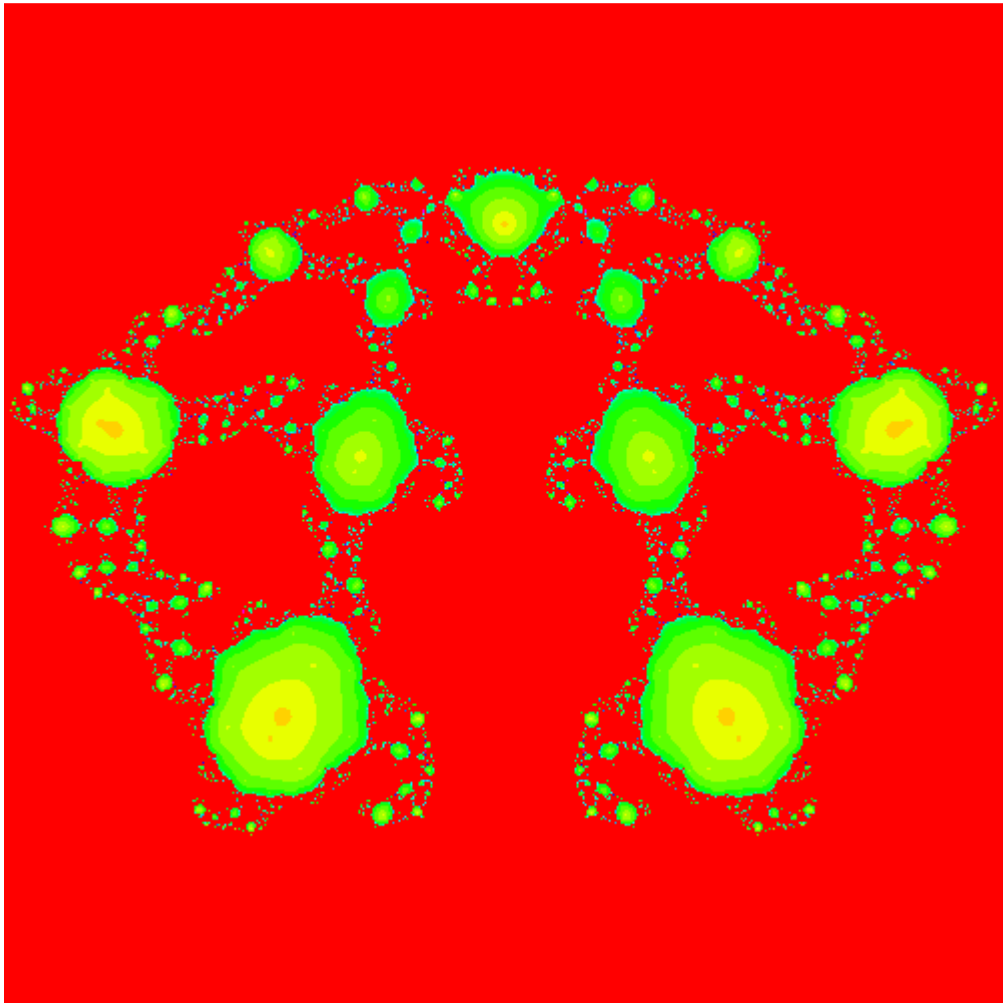


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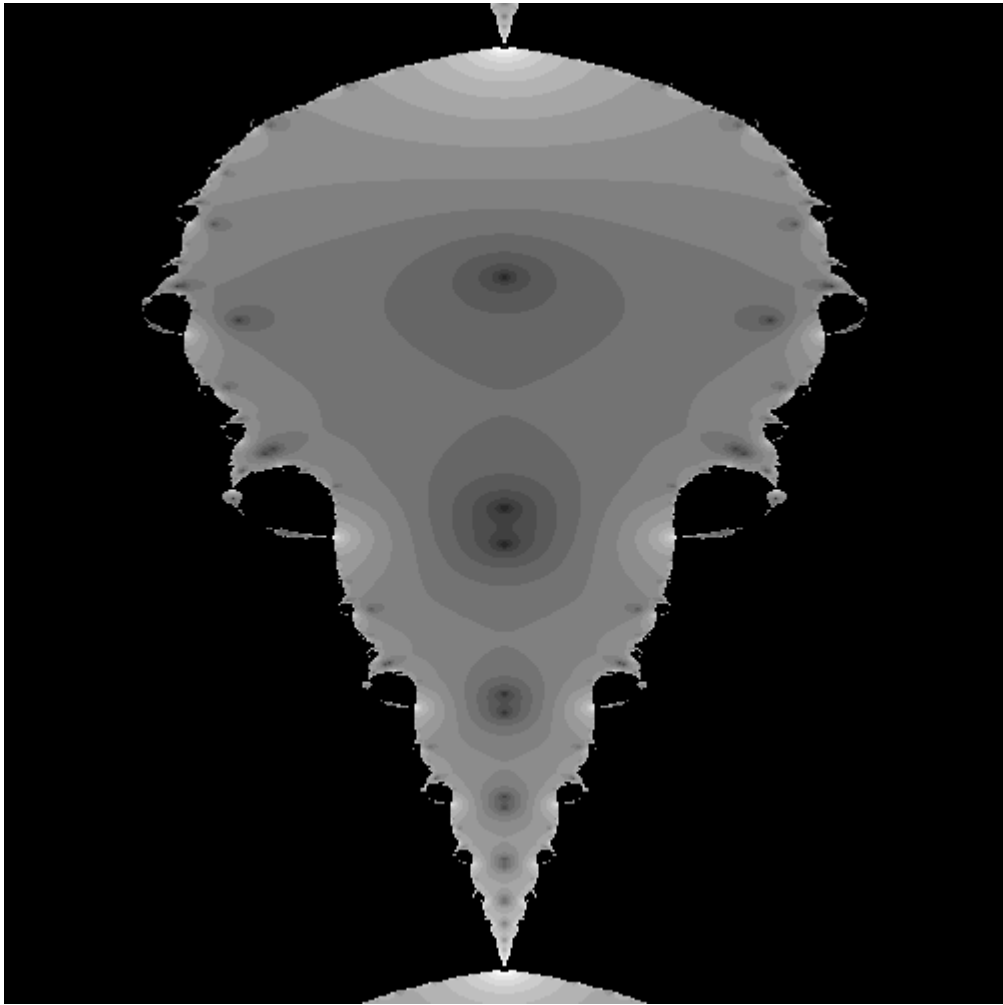


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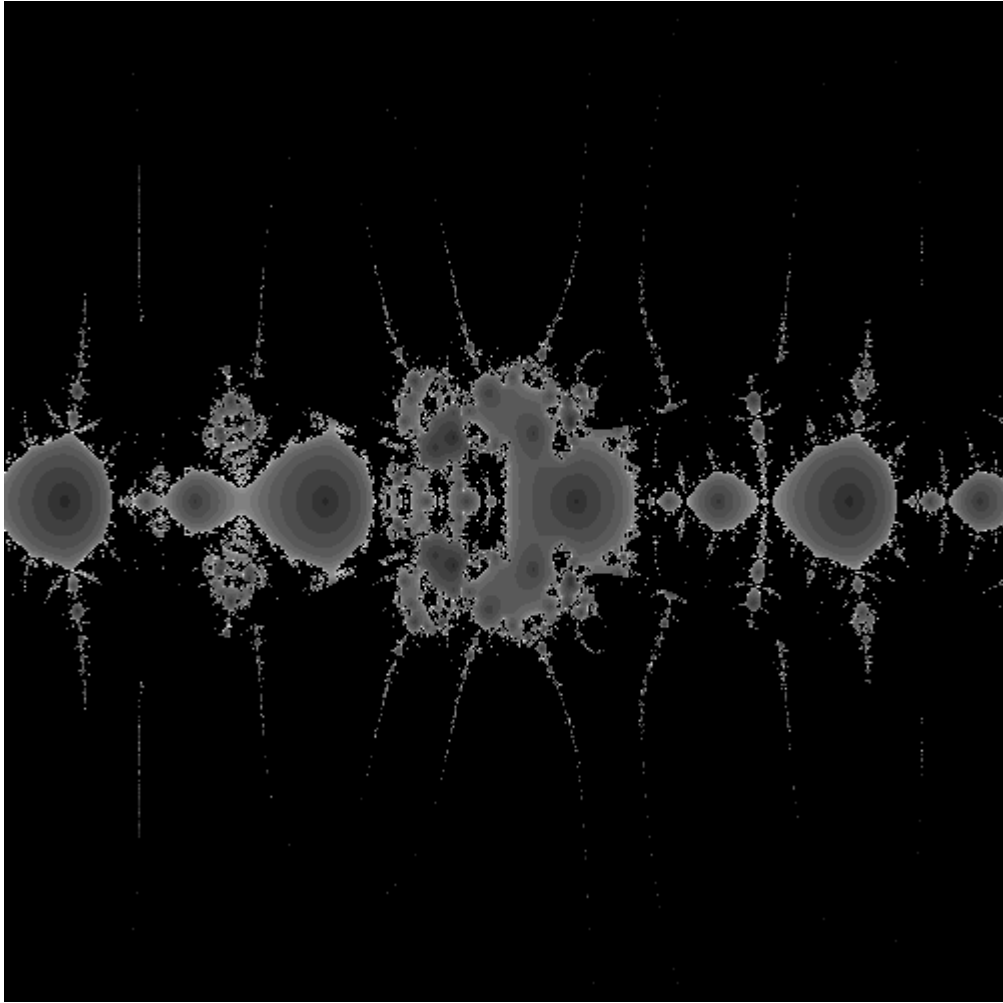


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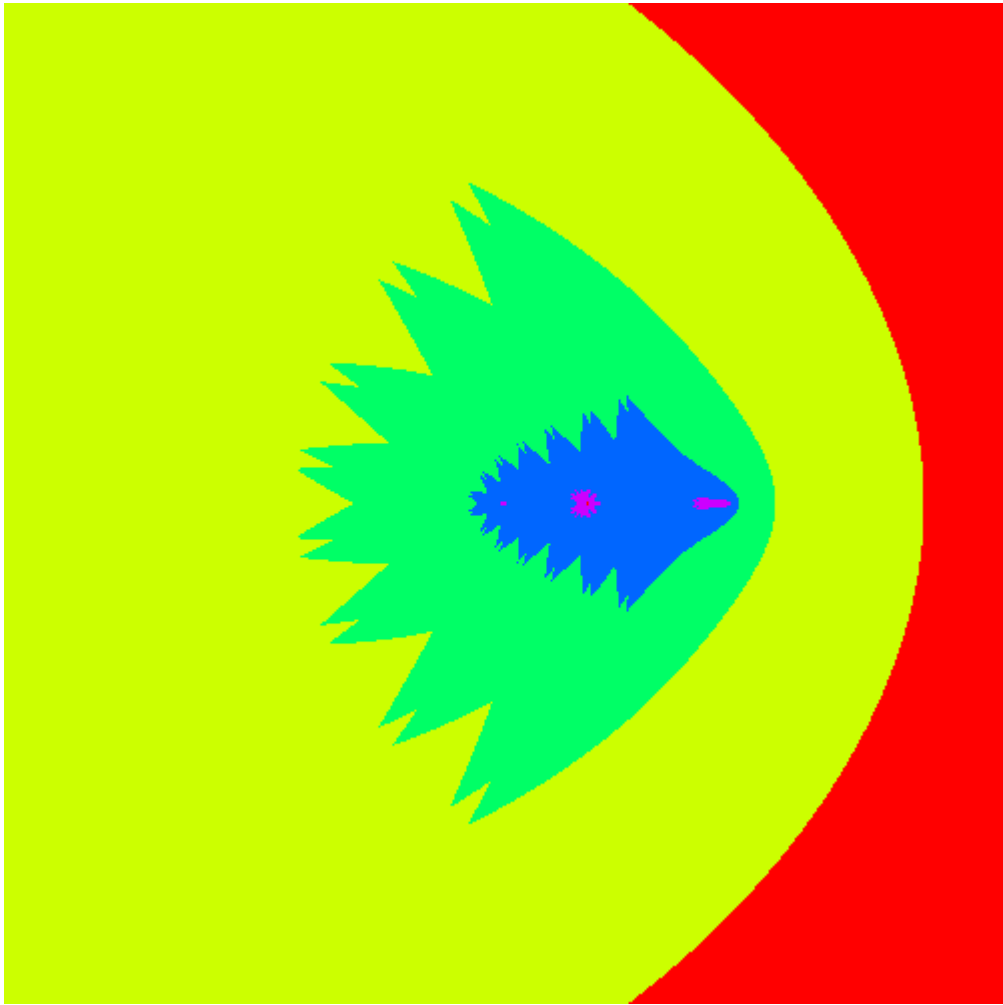


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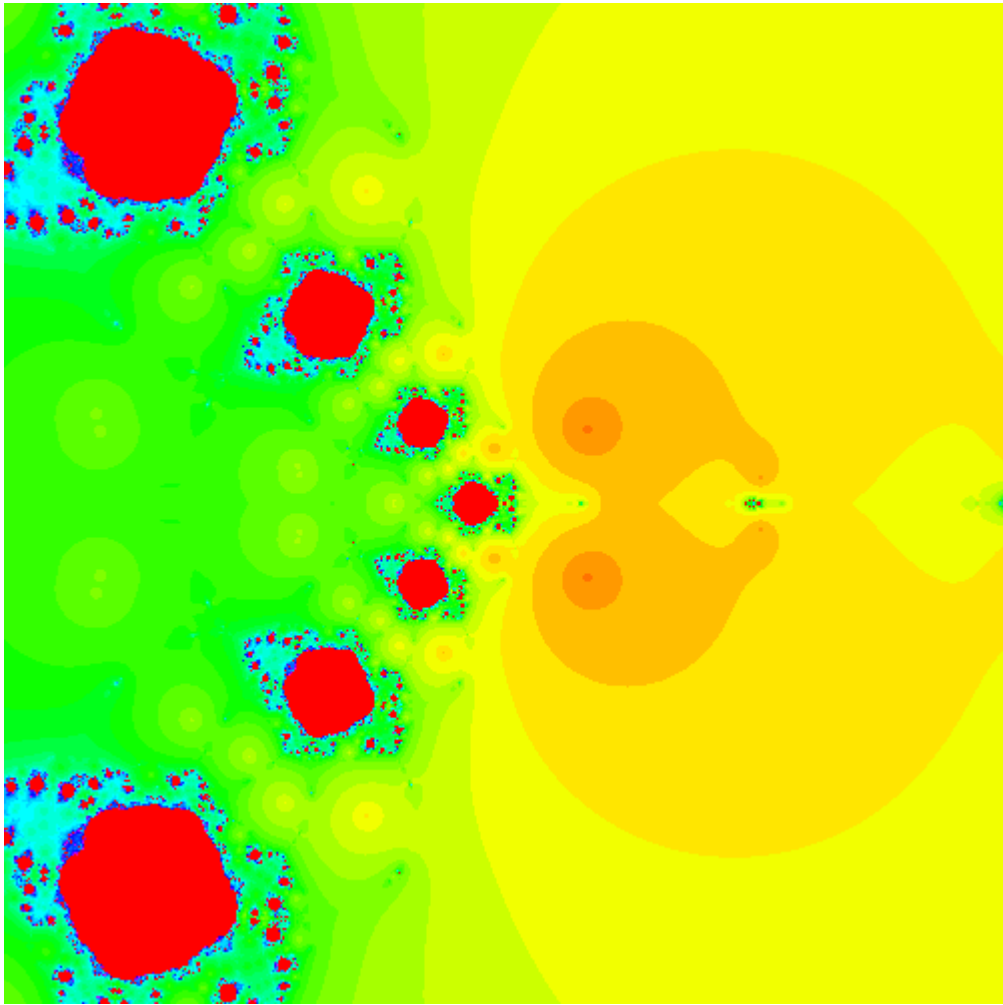


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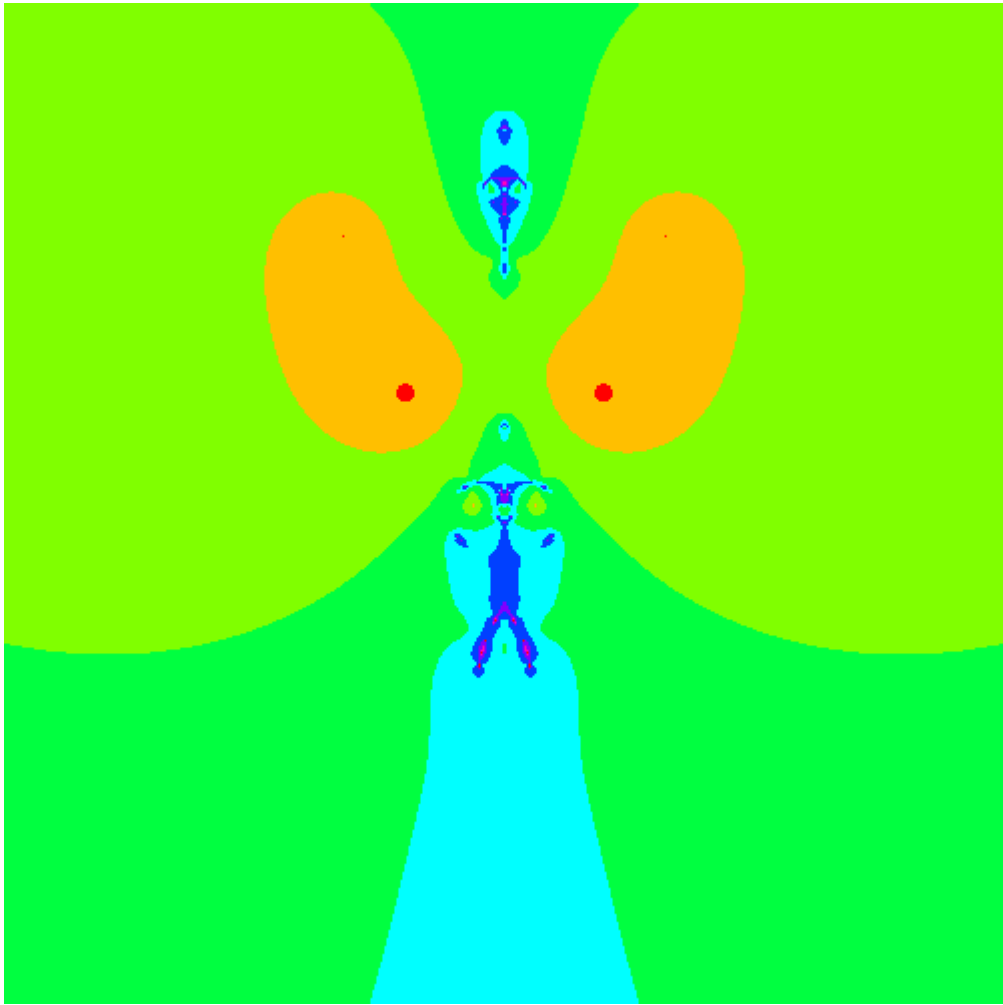


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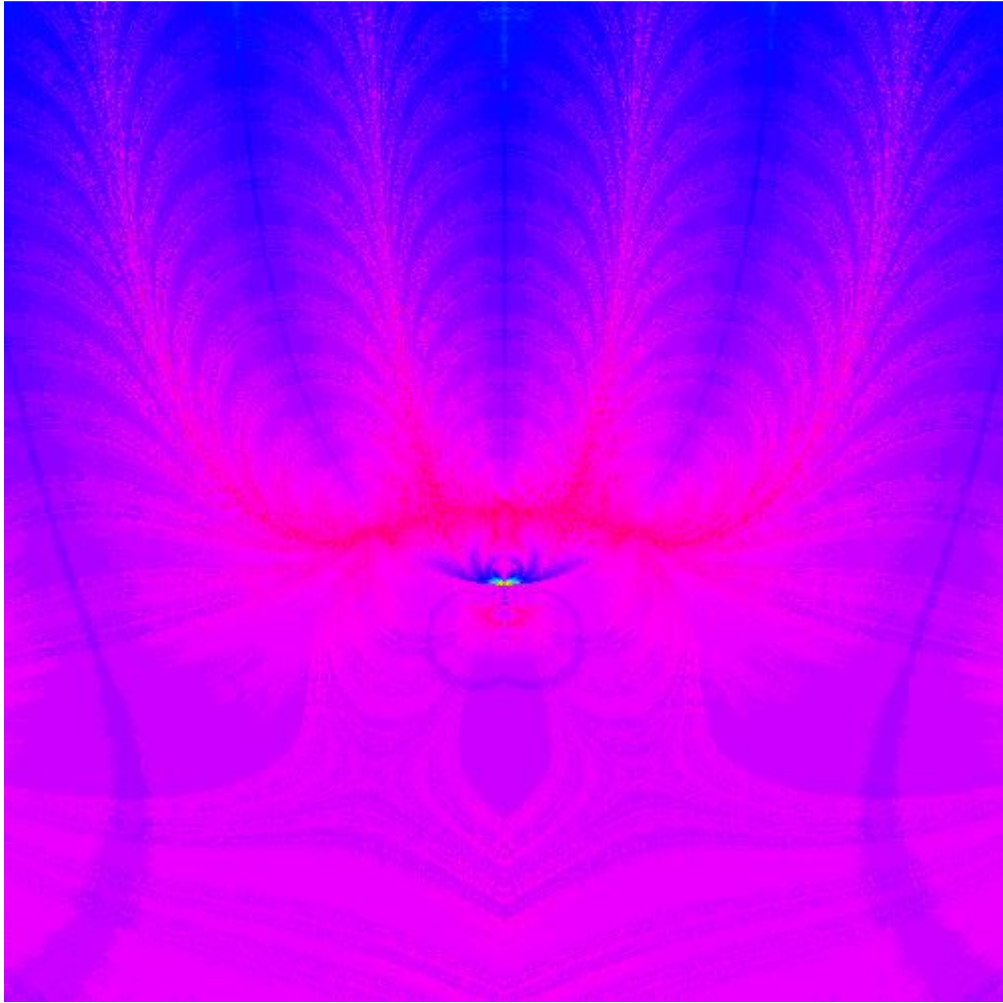


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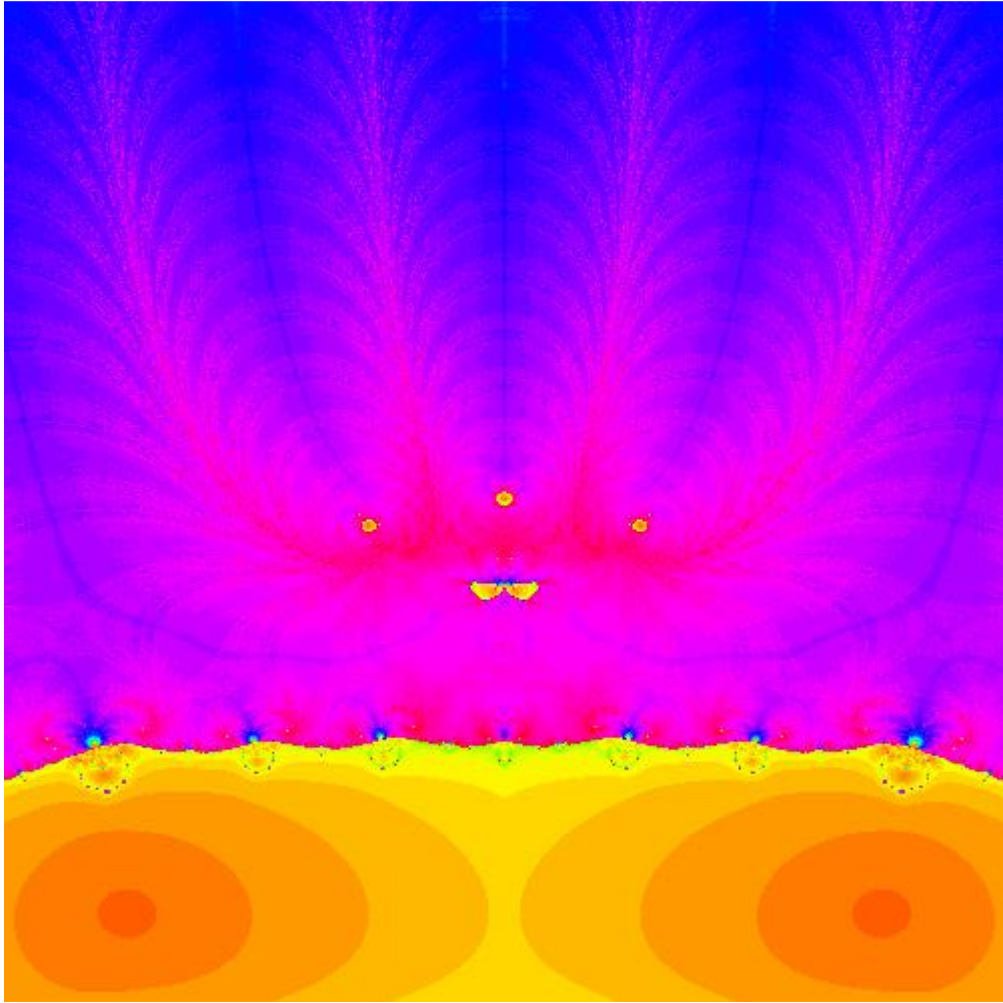


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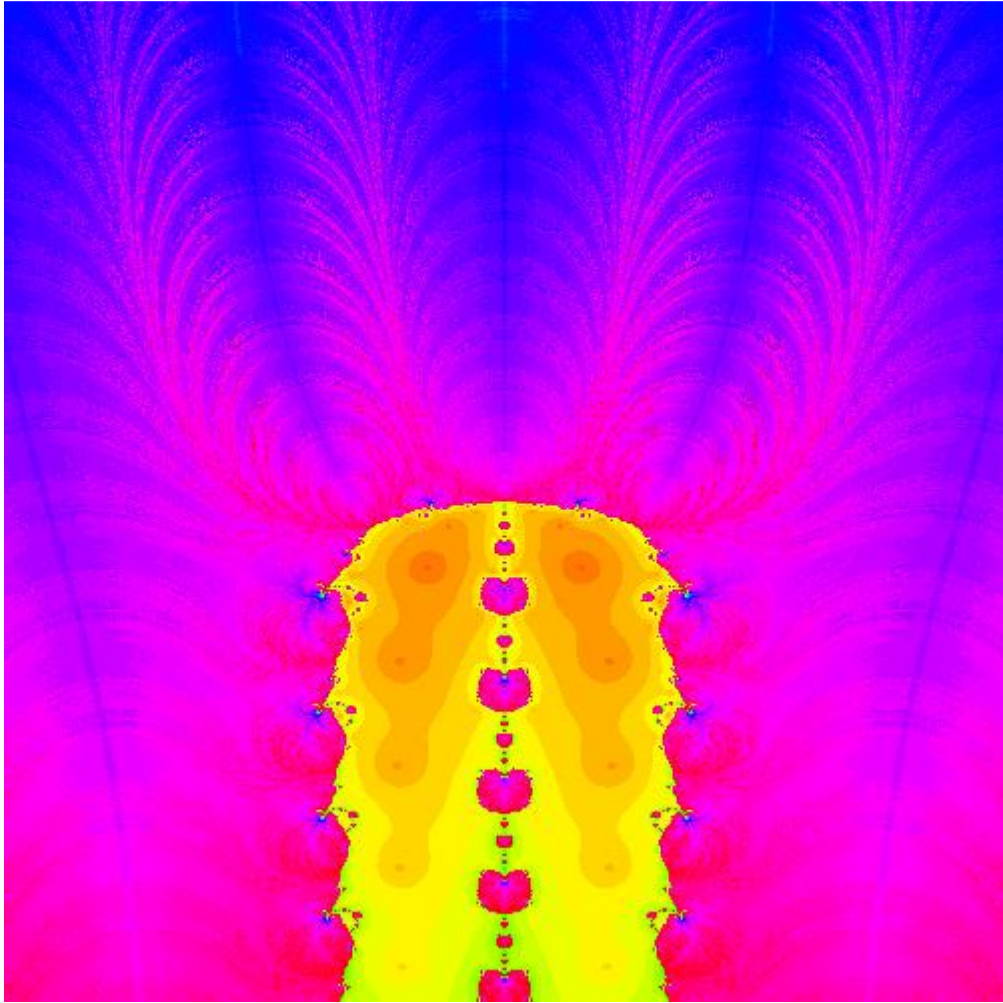


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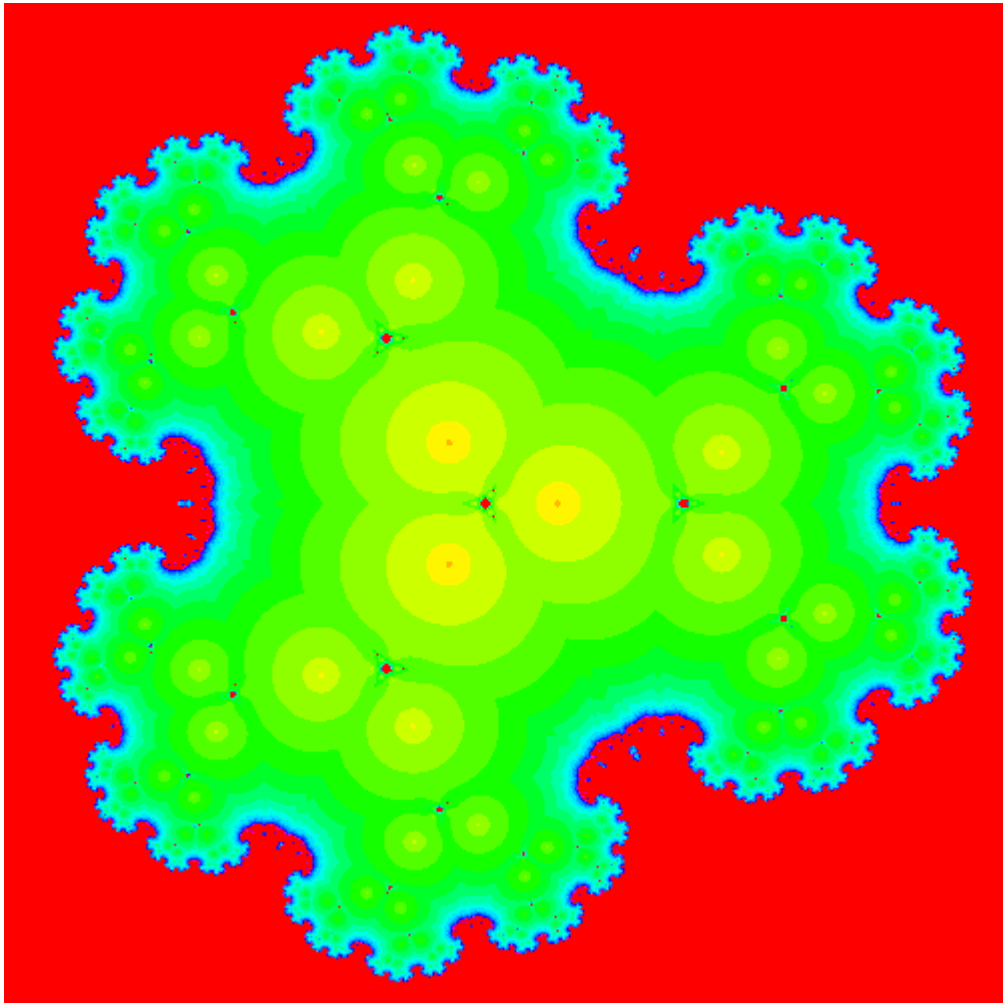


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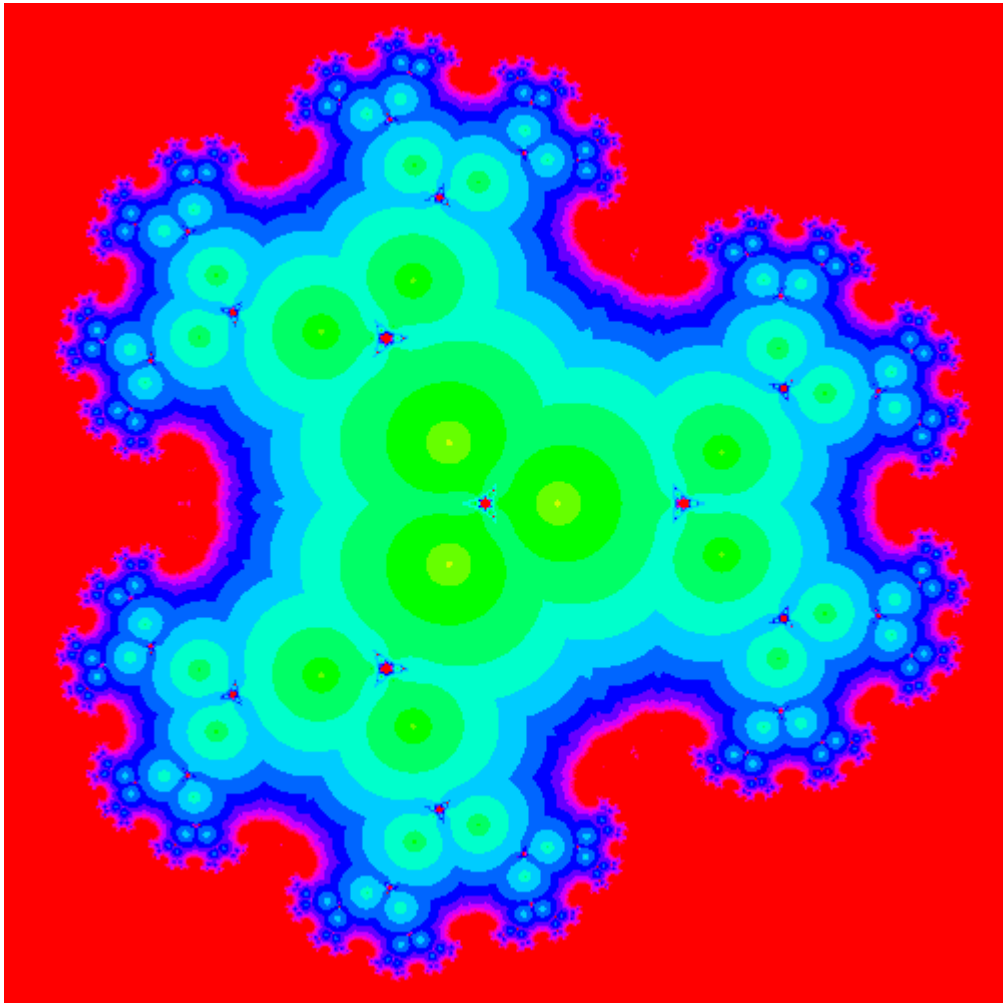


Figure 55.

References

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